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October, November, December 1994

Macintosh Product Registry

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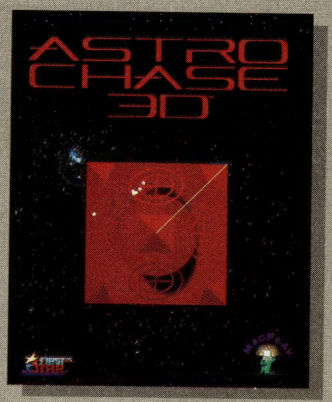

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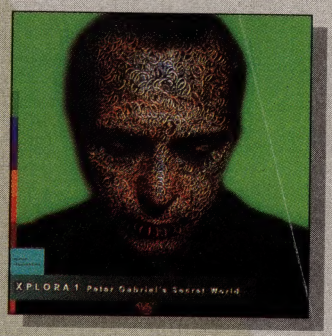

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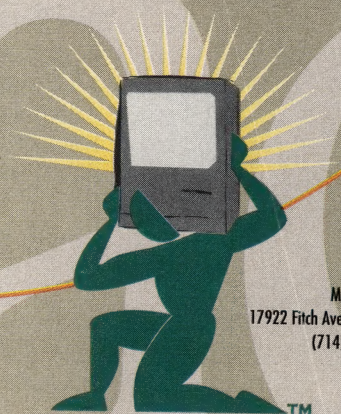

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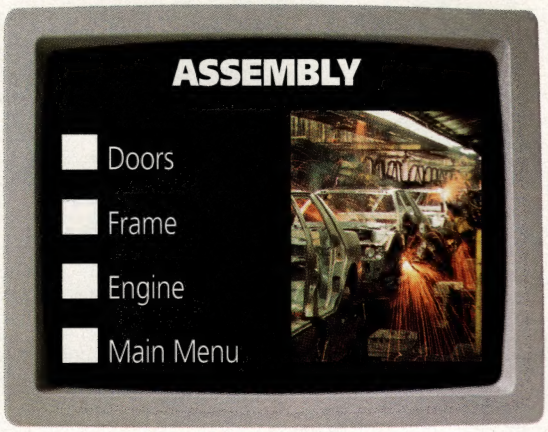

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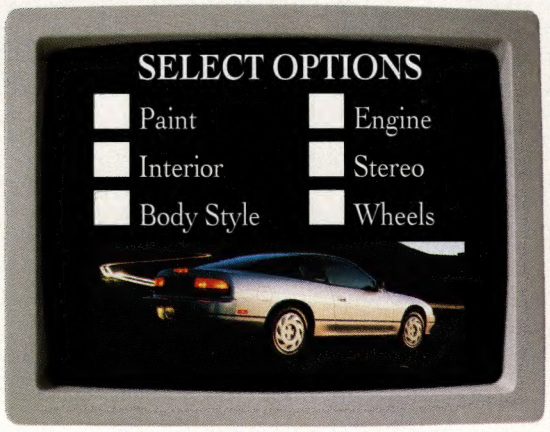

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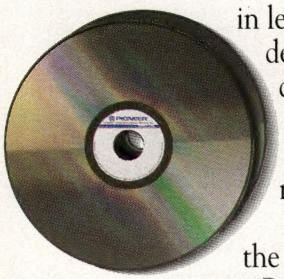

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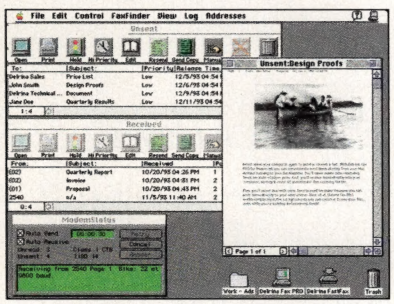

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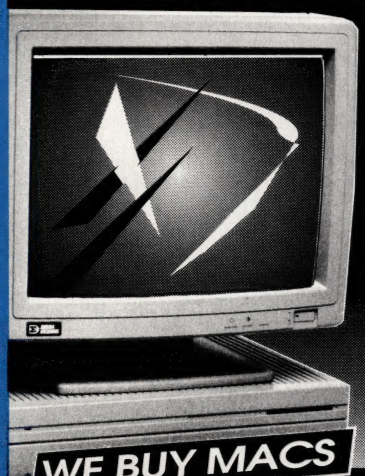

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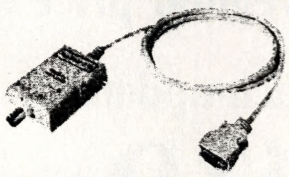

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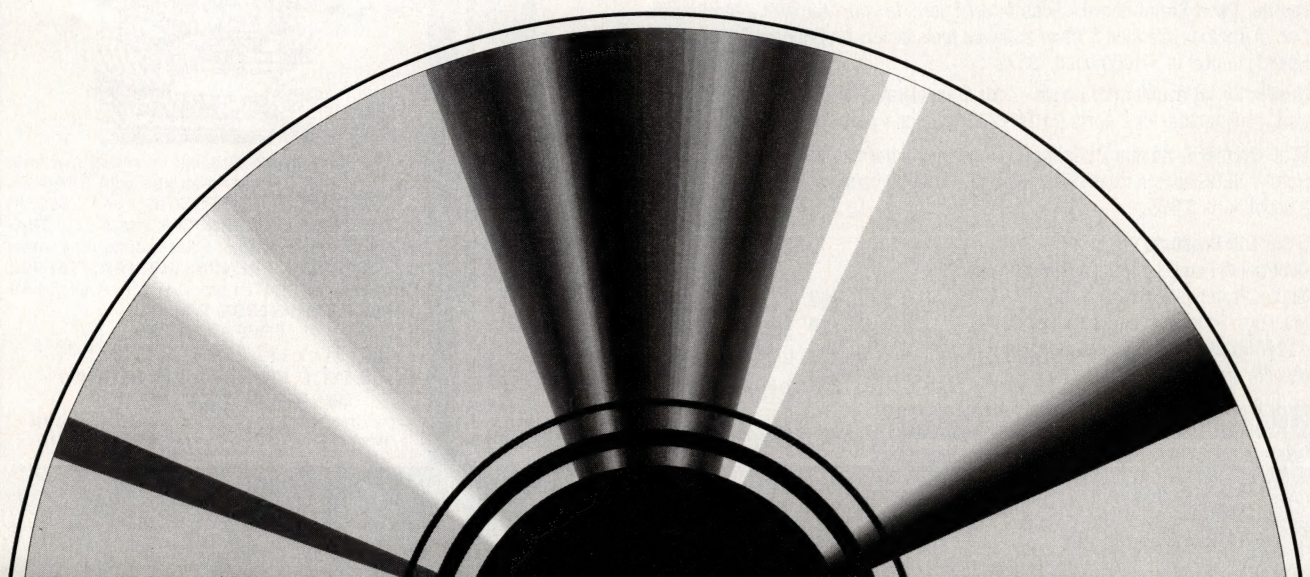

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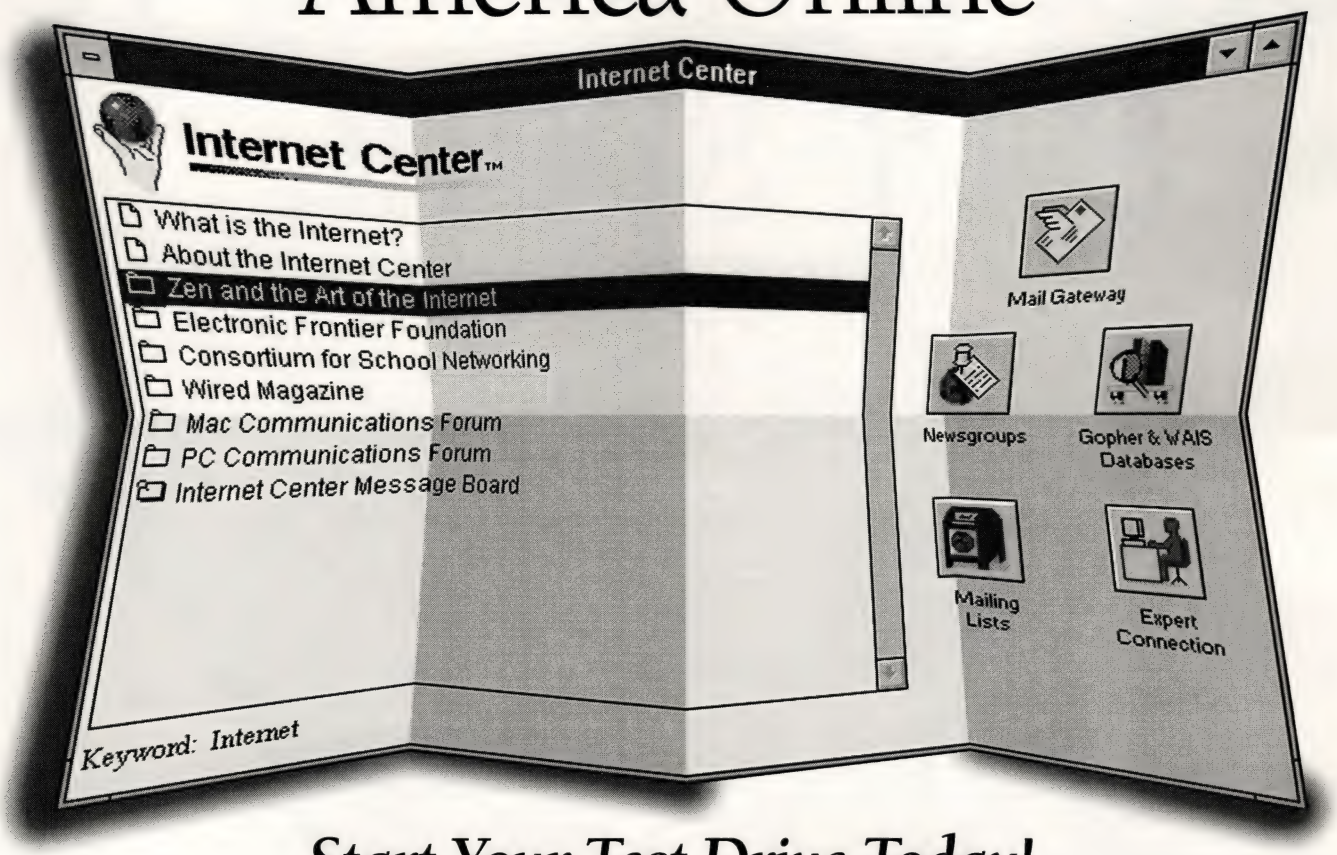

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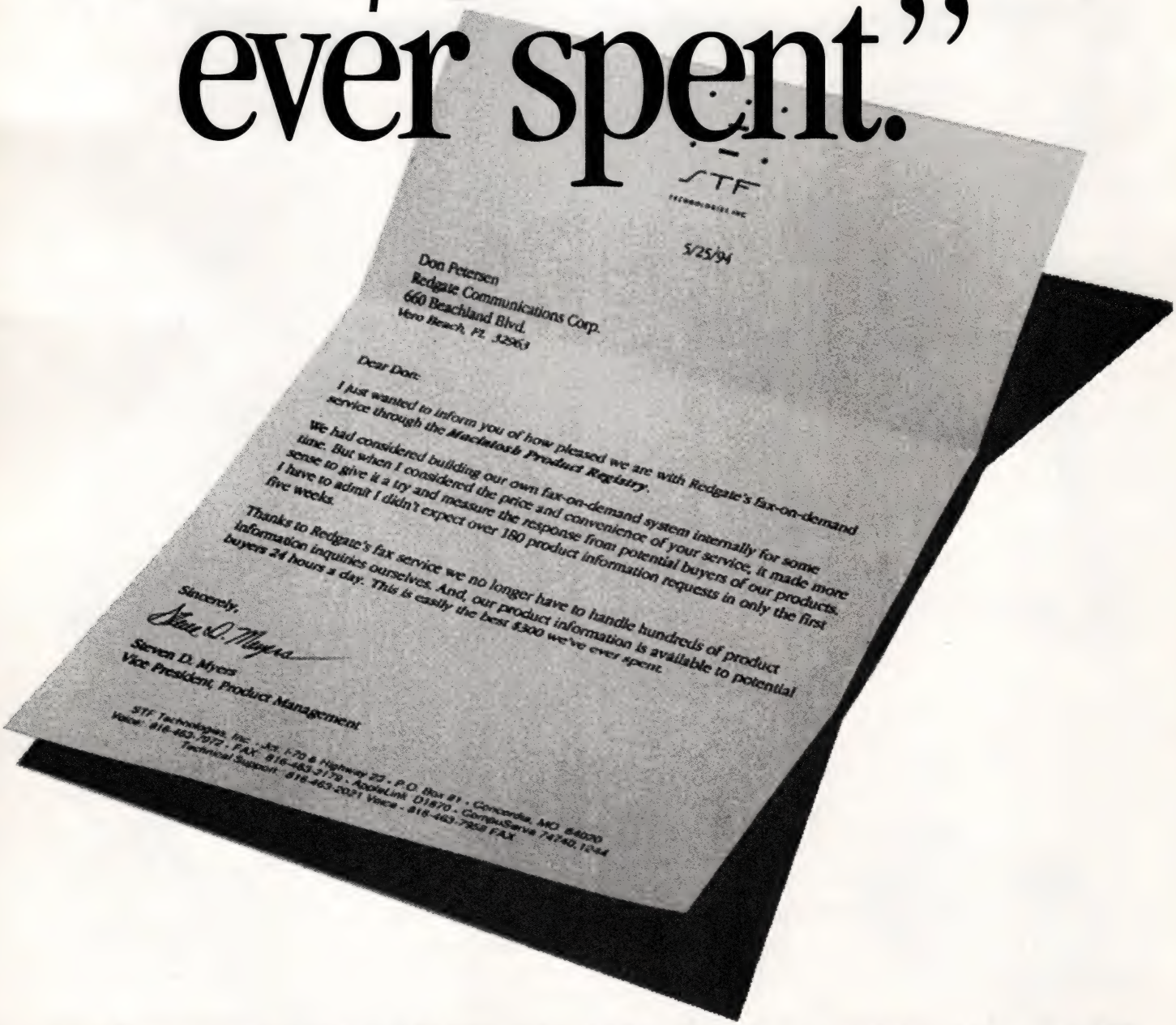

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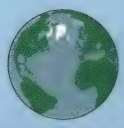

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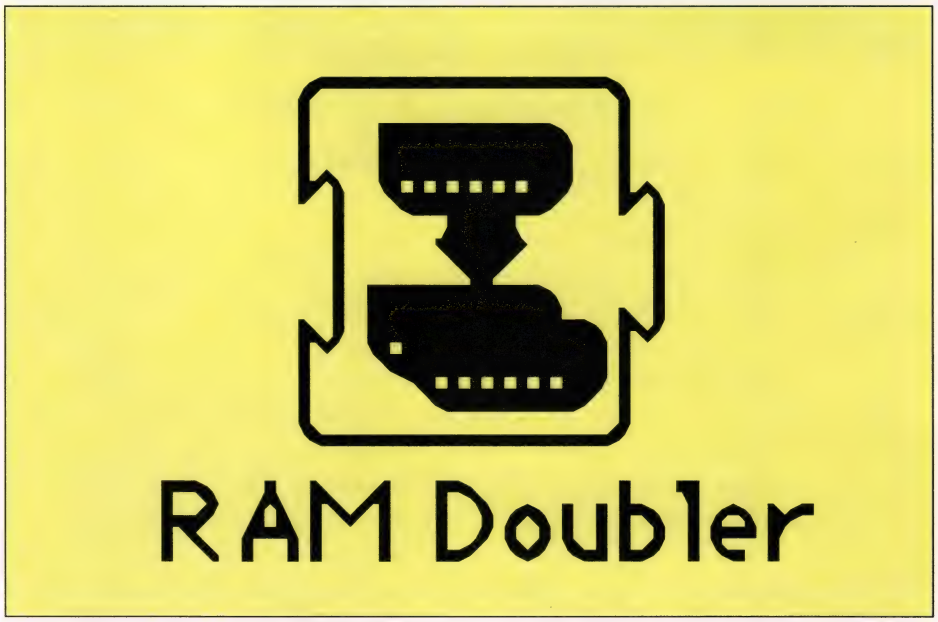
RAM Doubler: Expanding Your RAM The Software Way

by Tony Reveaux



Is your work interrupted by that killjoy dialog box that solemnly intones, "Not Enough Memory"? A $99 software system extension called RAM Doubler from Connectix will double your "effective" RAM. If this sounds like another house call from the Tooth Fairy, just remember when compression algorithms like Aladdin Systems' StuffIt first came on the scene. It felt like getting San Francisco real estate at Little Rock prices. Now, compressed files are common for software distribution and online transfers.

Like compressors, RAM Doubler's code identifies, moves and redistributes digits in different ways. It raids the free memory that is being held in reserve by open applications. The Macintosh system architecture, a pioneer in providing a flexible graphical user interface (GUI) that could work within a low-power desktop environment, was meant to be RAM-generous to programs. RAM Doubler exploits the MMU (Memory Management Unit) to poach all those available units of memory, leveraging off of the CPU so that all those hungry applications "think" that memory is still there.

When the programs try to access that reserve, and don't find it, they then have to go to RAM Doubler and "ask it" to map something else in its place. When that RAM memory runs out, RAM Doubler reaches over to your hard disk, where it compresses and decompresses bits as they are needed. Think of it all as a more socialist approach to memory management and the egalitarian redistribution of RAM.

$99 retail
Macintosh II with PMMU or 68030/68040-based Macintosh, including Power Macintosh; 4 MB of RAM; System 6.0.7 or later.
Connectix Corp.
2600 Campus Dr.
San Mateo, CA 94403
415-571-5100, 800-950-5880 or 415-571-5195 (fax)

You can see the difference displayed in the About This Macintosh window that unrolls when you click on the Apple icon on the left of the menu bar. Before, it just listed the computer's Built-in Memory, with the icons of each application open at the time. The graphic bars reveal how much memory is allocated and the free memory set aside for each. With RAM Doubler installed, a second listing appears, adding the Total Memory. If you had 4 MB in your computer before, your new total will be more than 8 MB. And if you had 8 MB, it will now have a grand total of 16 MB.

The ground floor for RAM Doubler is a Macintosh with a 68030 or 68040 microprocessor, System 6.0.7 or later and at least 4 MB of RAM. I have never experienced a single system crash with RAM Doubler, even after hacking into it with ResEdit. I have had reports from readers, one with a Quadra 700 and another with a IIsi, who encountered conflicts, but they are the exception. I continue to enjoy the productive freedom of having many applications open at the same time, and to cut and paste between them. But developing a large, complex image processing document can still bring the system to its knees. You cannot always expect the same consistent performance from RAM Doubler as with an equal amount of built-in, hardware-based RAM. Nonetheless, for desktop publishing, multimedia and projects where you must coordinate information from many different sources, this effective RAM allows you to display them simultaneously without having to quit and open all the time.

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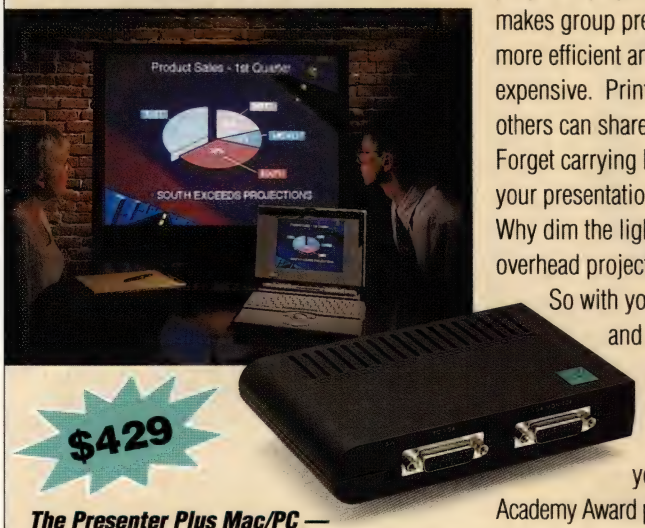

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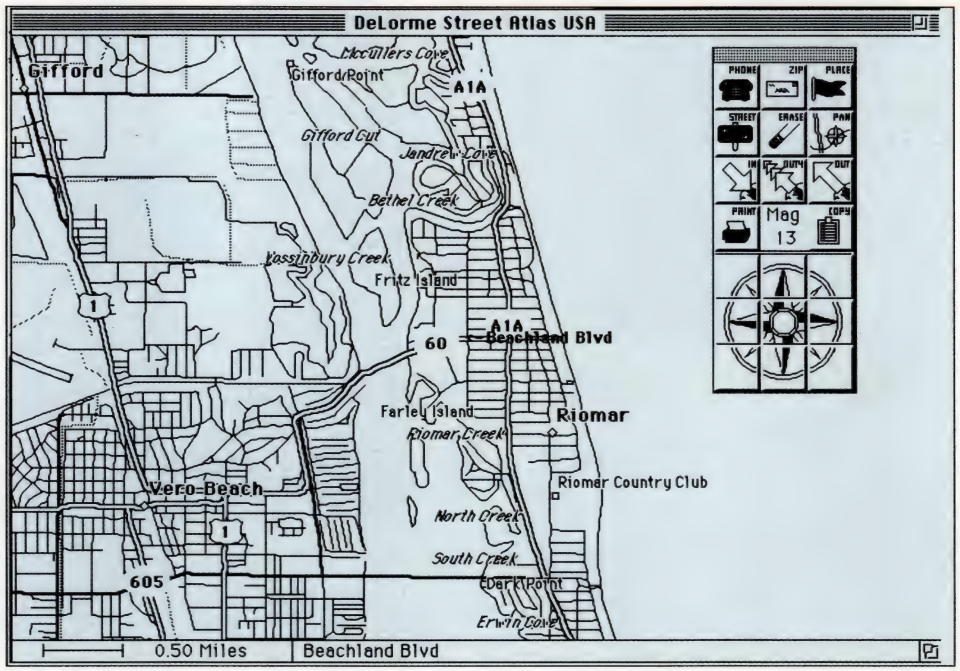
Street Atlas USA: Nation On A Disc

by Tony Reveaux



One CD-ROM that could easily qualify as a "must have" item for every information worker's toolkit is the $169 Street Atlas USA 2.0 for both Macintosh and Windows from DeLorme Mapping. The Macintosh edition coincides with the update of the original Windows version. Incredible as it may seem, on this one silvery wafer rests the data for more than 12 million street segments and more than 1 million lakes, ponds, rivers, parks, railroads and monuments in the continental U.S., including Alaska and Hawaii. "If a user printed out all of Street Atlas USA at the highest level of magnification," according to the publisher, "the finished map would cover more than 10 football fields."

The only lake I couldn't find was Lake Woebegone. But I was able to quickly range and zoom in on the short street of my family's home in a tiny coastal hamlet in Connecticut, and even the Thimble Islands were properly denotated. I discovered one element in my San Francisco neighborhood that was misnamed. "The data is simply too vast for there to be no mistakes ever," says David Purcell of DeLorme Mapping. "We encourage users to make a printout, mark the corrections and send it to us. We are always updating."

The color map database can be viewed in 16 different levels of magnification, from the North American continent down to a closeup that reveals street names. Urban tints show population centers. From magnification levels 9 through 16, elevation lines are displayed in areas of dramatic elevation change. A compass rose tool allows you to move the view in screen-size increments in eight directions.

This can be awkward at times when you want to focus on a location that is near the edge of the screen. It lacks scrolling bars, but includes another feature, which is just about as good. Click the cursor on the spot on the map that you want to be the new center, and it will shift the field to match that point. Another quick way to grab some turf is to use the view box. Simply create a selection rectangle around your chosen land and it will fill the screen.

Street Atlas' search functions make it an absolute whiz for speed and ease of use. You can search by place name, or even a partial, and it will bring that location up front and center. Find by street and it marks that street on the map in gray. There is also a block mode to help narrow down your search. Don't expect the street number accuracy of a Thomas Bros. map; the database is big, but not that big.

For both name and street functions, it will first bring up a selection window, as there is often more than one town or street that share the same name. If, for instance, there is no street by that name within the window area, it will remain unresponsive. Searching by phone number and Zip code adds to the speed and flexibility of the program. You can even add the exchange number to the area code to reach out closer to that target.

The label tool is a question mark with an arrow. Touch a street and it will print the name on the map. Hold the option key, and the label will include the address range of that street. The erase tool will erase that label. But, alas — a fatal flaw — it erases all the labels. You can't selectively erase elements.

Coupled with graphic programs and a laser printer, Street Atlas can serve as an essential business tool. Even before you leave the office to go to a meeting at an unfamiliar site, you can whip out a customized route map in minutes for everyone in your team. You can fax a map to a client showing her how to get to your office. Now those idiosyncratic party maps can be replaced with clear and accurate directions. See you there.

Tony Reveaux, a San Francisco-based consultant, writes the "MediaScan" column in Film/TapeWorld. He can be reached via Usenet (luna@well.sf.ca.us) or MCIMail (290-3008).

$169 retail
Macintosh Color Classic or larger; 4 MB of RAM; 2 MB of free hard disk space; color monitor; System 7.0 or later; CD-ROM drive.
DeLorme Mapping
PO Box 298
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Freeport, ME 04032
207-865-4171, 800-452-5931 or
207-865-9291 (fax)

This magazine includes every Macintosh product for which we received a response from our mailing to all Macintosh developers in our extensive database. The products are listed alphabetically by category and within categories, primarily by product name. An exception to the product-name heading occurs whenever a vendor is used as the heading. The directory includes many products that are identified with a box (■). These are products that are either new or listed for the first time in the *Macintosh Product Registry*. The directory also includes bold listings, screen shots and logos. These are paid options.

4th Power Accounting
Integrated accounting
Macintosh Classic or larger.

4th Power Accounting is an integrated accounting package for use in small, medium and large-size businesses. The program includes Accounts Receivable, General Ledger and Accounts Payable. This database accounting package uses the powerful reporting, searching and sorting capabilities found in 4th Dimension. Additional features include customizable financial statements, multiple accounting periods open simultaneously, batch processing of transactions and the capability to group GL accounts into multiple divisions. A forms editor that will allow users to customize the printing of their invoices and statements will also be available.
$1,250 U.S. retail; single user
$2,750 U.S. retail; multiuser
Honeybee Software, Inc.; 1 Place Ville Marie, Ste. 2315; Montreal, Quebec, Canada H3B 3M5; 514-954-0768, 800-667-1233 (U.S. only) or 514-875-2940 (fax)

4th Quarter Accounting
Application development platform
Macintosh with 68020 or larger processor; 8 MB of RAM.

4th Quarter Accounting (4Q) is a finished, ready-to-run, integrated accounting package built on an accounting development platform. It is designed to be modified, extended or integrated into any multiuser office system. 4Q consists of GL, AR, AP, Cash, Payroll, Inventory, Sales, Purchase, Input/Export, Administration and Report Writing areas. It includes a two-level account structure, restricted access accounts, a unique journal structure, an unlimited number of journals, profit centers and departments, real-time account updating before posting and any arrangement of open or closed periods. It has transaction templates, automatic and manual funds allocation, multiple sales tax invoices and POs in stock or service formats. It features unlimited payroll items with user-definable formulas, and inventory is managed in real time on a LIFO, FIFO or average basis with lot tracking. Its interface includes a central control panel, context-sensitive help, hypertext reports for interactive viewing, customized query screens, filtering and preview of imported data, plus many other powerful features. 4Q is programmed in the 4th Dimension database language and supplied as source code with both end-user and developer documentation.
$6,500 retail
Braided Matrix, Inc.; PO Box 339; Shokan, NY 12481; 914-657-6411 (phone/fax)

A4
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$995 retail; single user
$$3,995 to $7,295 retail; client server version
Softek Design Inc.; PO Box 2100; Telluride, CO 81435; 303-728-5252 or 303-728-6767 (fax)

Aatrix CheckPrint Kit
Check printing kit
Macintosh Plus or larger; System 6.0.5 or later.

Aatrix CheckPrint is a universal check printing tool designed to work with any accounting program. CheckPrint can print blank checks or it can import information from Quicken, Managing Your Money, MacMoney, MYOB, Bestbooks, Peachtree Accounting or any other accounting program that exports text files. Users can then use CheckPrint to print checks on their own checks, from personal checkbook checks to complicated business checks. The CheckPrint Kit allows users to print their own checks on plain paper using a laser printer, MICR font (for bank account coding information) and MICR Toner cartridge (containing special magnetic properties), resulting in a 60 to 70 percent savings over preprinted checks. Many check templates are included, or users can create their own check design with artwork, logo, signatures, lines, borders, boxes and other custom check designing tools. The CheckPrint Kit includes MICR font, MICR Toner, software and 500 personal or business checks.
$399 retail
Aatrix Software, Inc.; PO Box 5359; Grand Forks, ND 58201; 701-746-6801, 800-426-0854 or 701-746-4249 (fax)

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Payroll application
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.5 or later.

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$899 retail; multischool
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mands information. The program links with many other accounting programs.
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Aatrix Software, Inc.; PO Box 5359; Grand Forks, ND 58201; 701-746-6801, 800-426-0854 or 701-746-4249 (fax)

Ad Specialties Controller
Integrated accounting package for advertising specialty sales companies
Macintosh Classic or larger; 8 MB of RAM; hard disk drive.

Ad Specialties Controller is a fully integrated, multiuser accounting package for companies selling advertising specialty products. It includes Sales Lead Tracking, Order Entry, Accounts Receivable, Purchasing, Accounts Payable, Check Writing, Inventory Control and General Ledger. The system includes more than 150 different management reports. Order Entry functions recommend quantities to ship, backorder quantities and pricing. On-screen supervision provides product and customer information to aid sales reps in taking orders. Graphic software is also available to allow preparation of logos and other graphics used in the imprint. Inventory Control provides multiple price categories and identifies Economic Order Quantities, recommended minimum, maximum and safety stock levels, average daily use and ABC values. Purchase Orders are automatically generated to the prime vendor for each sales order within any given date range. Vendor invoices are generated from the PO to facilitate comparison of PO terms with the actual terms of the vendor's invoice. Separate sales commission rates can be entered for closing orders, being account manager and department manager. Commissions can be based on sales or gross profit.
$6,695 to $9,995 retail; depending on modules
Qube Software, Inc.; 86 W. Yale Loop; Irvine, CA 92714; 714-559-5659 or 714-551-1621 (fax)

AutoClock
Time, attendance and payroll software
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.

AutoClock is a system that starts at the time card and ends with a paycheck. AutoClock replaces the time clock with a sophisticated time, attendance and payroll package. Unlike manual time clocks, AutoClock automatically stores and rounds each punch, calculates elapsed times and prepares each time card. On payday, AutoClock calculates payroll figures, prints payroll summaries and prints pay checks. AutoClock even tracks and calculates Vacation, Holiday, Sick and PTO hours. AutoClock retains complete payroll histories and prints Quarterly Reports, W-2s and a variety of other reports. AutoClock is provided for use on two computers. One is normally dedicated as an AutoClock and replaces the old time clock. The other is for the administrator to manage the system from their regular desktop computer. Additional AutoClock or Administrator licenses can be purchased to create larger networks of AutoClocks.

AutoClock+ is a complete solution that combines AutoClock software with AutoCard ID badges and a MagScan Magnetic stripe/badge reader. AutoCards are employee ID badges with unique passwords encoded on a magnetic stripe. Each card is made of durable polyester that resists abrasion, distortion, warping and mechanical abuse. MagScan is an integrated magnetic stripe reading/decoding system that is super compact and plugs directly into the Apple Desktop Bus. No power supply or keyboard wedge is required. AutoClock+ provides all the software and hardware to automate a complete payroll system.
$695 retail; AutoClock
$1,095 retail; AutoClock+
DataDesigns; 8269 Fredericksburg Rd.; San Antonio, TX 78229; 210-697-0780

Bestbooks By Teleware
Entry-level bookkeeping for home and small businesses
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.

Bestbooks by Teleware is complete bookkeeping for the small, growing business. It brings a financial solution to the home and small business that does require many of the more powerful or sophisticated functions found in traditional accounting programs. Bestbooks by Teleware is complete with checkbook, item or service invoicing, payables, receivables and administration sections critical to running a business. Menu items are laid out in an easy-to-follow flowchart format, making the program extremely easy to use. More than 70 reports are available, as well as a powerful custom forms designer.
$99 retail
Best!Ware; 300 Roundhill Dr.; Rockaway, NJ 07866; 201-586-2200, 800-322-6962 or 201-586-8885 (fax)

Business Operations Software System (BOSS)
Business management system
Macintosh with 8 MB of RAM.

BOSS is a complete business management system offering integrated accounting, ideal for companies with complex inventory control and pricing needs and quick order entry with flow-through to purchase orders. It's been configured for distributors, wholesalers and importers/exporters. It includes a Prospects module for lead tracking, a Salesforce module, end-user registration tracking, customer product purchase history, daily sales tracking, geographic marketing analysis and complete office management. Features include multiple shipping addresses, multiple warehouses, individual/batch processing, invoice detail and serial number entry, handing of services, as well as goods, weights/measures entry, unique quick line item entry, drop shipping, just-in-time order processing, "quote" and "hold" orders and automatic backorder handling. Inventory control includes unlimited "lots," price levels and vendors per item, real-time updating of lots across warehouses, assembly/package production, generation of purchase orders based on alert quantities, drop ship commitments or just-in-time fulfillment. It tracks contracts for import/export.
$10,000 retail
MicroWorks Businessworld, Inc.; 305 Riverside Dr., Ste. 4A; New York, NY 10025; 212-932-0001 or 212-316-0399 (fax)

CA-Simply Accounting
General Ledger, Payables, Receivables, Payroll, Inventory, Job Costing
Macintosh with 1 MB of RAM; one 800K disk drive.

CA-Simply Accounting is an entry-level accounting system designed for small businesses. It takes full advantage of the Macintosh interface while adhering to strict accounting practices. It includes a variety of features in a single, fully integrated product, including functionality for General Ledger, Accounts Receivable, Accounts Payable, Payroll, Inventory and Job Costing. The program offers a variety of financial reports and lets users export data to spreadsheet and word processing applications for more extensive analysis. It is System 7 compatible.
$89 retail; site licensing available
Computer Associates International, Inc.; One Computer Associates Plaza; Islandia, NY 11788; 516-342-5224 or 800-225-5224

■ Cash
Small business book keeping
Macintosh Plus or larger; 4 MB of RAM; System 7.0 or later.

Cash is a practical way to manage cash and pay bills for small businesses, professionals and self-employed. Cash is a full-featured financial program that provides the vital element missing from many programs: cash flow management. With Cash, users will truly understand their company's total financial situation. Cash handles all of the essential book keeping functions most businesses require. It manages checkbooks, prints checks, tracks expenses and prints reports that can be given to an accountant for taxes. Cash does more than just help users manage their finances. It solves the problem of unpredictable cash flow. Rather than reporting on the past, Cash looks ahead to the future. The uniquely powerful feature of Cash is its ability to forecast future trends and guide users to make the right decisions today.
$149.95 retail
Palo Alto Software; 144 E. 14th Ave.; Eugene, OR 97401; 503-683-6162, 800-229-7526 or 503-683-6250 (fax)

Cash Ledger
Accounting
Macintosh Plus or larger; 1 MB of RAM.

Cash Ledger is a full-featured accounting package for those businesses that use cash-based reporting. Full export (including transactions) is included. A full year of transaction history is maintained. Transactions can easily be modified until the month is closed, and adjustments can be made to any month in the current year. Notes can be added to transactions. Cash Ledger also provides bank reconciliation. Account balances can be graphed or exported in SYLK file format. Cash Ledger provides extensive financial reports, including Chart of Accounts, Trial Balance, Balance Sheet, Income Statement, Transaction Journals, General Ledger Listing, prior-year comparisons, year-to-date, budget vs. actual comparisons and more. Other reports include current year vendor payments and information, mailing labels and more. Cash Ledger can be customized for a variety of check formats and printers. Payroll checks (including employer tax liabilities) created with CheckMark's Payroll program can be posted directly into Cash Ledger. Cash Ledger files can be upgraded for use with CheckMark's MultiLedger accounting program if accrual accounting is later required.
$99 retail; free demo disk available
CheckMark Software, Inc.; 724 Whalers Way, Bldg. H; Fort Collins, CO 80525; 303-225-0522, 800-444-9922 or 303-225-0611 (fax)

Cash Management
Financial analysis tool
Macintosh Plus or larger; 1 MB of RAM; 800K double-sided disk drive.

Cash Management with Checkbook Reconciliation automates four business functions: provides detailed analysis of cash receipts and payments, giving managers a strong decision-support tool to use in determining short-term borrowing or investment strategies; draws information for all modules to create deposit slips for bank accounts, significantly saving time over manually preparing the slips; reconciles bank statements quickly and accurately; and allows businesses to use an unlimited number of bank accounts.
$695 retail
Great Plains Software; 1701 SW 38th St.; Fargo, ND 58103; 701-281-0550, 800-456-0025 or 701-281-3700 (fax)

CashBiz
Personal and small business finance software
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0 or later.

CashBiz is home and cash-based business accounting software that provides complete chart of accounts, balances checkbooks, keeps track of credit card balances and payments, monitors home mortgage and other loan payments and prepares statements of net worth. CashBiz allows entering of manual or computer-printed checks, supports taxable or non-taxable services or customers, provides a full set of financial reports and prints continuous or laser forms while supporting three printers simultaneously. It also imports all Quicken files and exports data to necessary financial calculation programs. CashBiz contains an address book, a notepad with word processing capabilities and an electronic calculator.
$49.95 retail
M-USA Business Systems Inc.; 15806 Midway Rd.; Dallas, TX 75244; 214-386-6100, 800-933-6872 or 214-404-1957 (fax)

Check Writer AP For Excel
Accounts Payable check writer
Macintosh Plus or larger; Microsoft Excel 2.2 or later.

Check Writer AP is an Accounts Payable check writing system that automatically fills out a user's checks and stubs and creates a check list register of payables. Listing Check Expense and Deposits to a

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user's register are automatic using a Deposit or Check Listing Macro. All data of deposits or expenses is automatically calculated and updated with each listing. Check Writer AP prints to popular check formats. Custom personalized check ordering information is also included.
$49.95 retail
Freemyers Design; 575 Nelson Ave.; Oroville, CA 95965; 916-533-9365

CI-Compta
Accounting software
Macintosh IIfx; 8 MB of RAM; 160 MB hard disk drive; A/UX 3.0.

CI-Compta is a French, multiuser accounting package that works with A/UX. It recognizes VT100 ASCII VDU, Macintosh and Minitel. Written in C, it is based on an Informix database with SQL requests. Features include: general accounting; analytic; auxiliary; billbook; bank closing; import/export; big print requests are done in the background; preview of any print request; and a C library is available for developers.
Available in France only
Cornut Informatique; BP 702; 19d, rue de la Telematique; 42950 St. Etienne Cedex 9, France; 33-77-935746 or 33-77-925139 (fax)

Components Accounting Series 1.2
High-end accounting series
Macintosh Plus or larger; 2 MB of RAM; hard disk drive recommended.

Components Accounting Series is an object-oriented, high-end accounting series that is completely customizable and flexible enough to meet any business' needs. The Series takes full advantage of the Macintosh graphical interface. Modules currently shipping include Accounts Payable, Accounts Receivable with Invoicing, General Ledger and Job Cost/Time Billing. Features include: user-definable, presentation-quality reports via an integrated object-oriented graphical reporting environment; up to 252 user-definable journals per module; user-definable account/invoice/check numbering structures; virtually unlimited transactions and transaction amounts; import/export capabilities; user-modifiable online help; detailed accounting history; and much more.
$795 and up per module retail
Satori Software; 2815 2nd Ave., Ste. 295; Seattle, WA 98121; 206-443-0765 or 206-728-7068 (fax)

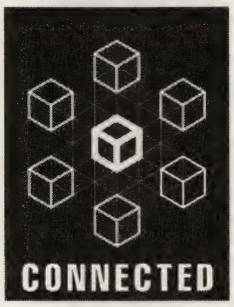
Computerized Classic Accounting
Accounting for Excel users
Macintosh Plus or larger; 4 MB of RAM; 20 MB hard disk drive; ImageWriter or LaserWriter.

Computerized Classic Accounting (CCA) is a complete accounting/spreadsheet program that translates the exact form and organization of manual accounting to the computer. The Business Package includes General Ledger, Accounts Payable, Accounts Receivable and Inventory Control. All A/R and A/P documents, including invoices and statements, can be completely customized (e.g., users can add new text, change formats, insert logos or link additional information from the customer, inventory and vendor rosters). The General Ledger program, available independently, includes several types of journals and five predefined charts of accounts that can be customized to meet the needs of individual users. CCA generates a complete range of financial reports, including Income and Expense Statements, Trial Balance and Balance Sheet. In the Enhanced Version of CCA, all financial reports can be customized. The Enhanced package also features an unlimited variety of graphs, as well as non-standard journals (user-defined spreadsheets that can be posted directly to the General Ledger) and direct access to Excel while working in CCA. Users can open all CCA documents in Excel to customize formats, analyze data, create forecasts and prepare graphs.
$189 retail; Basic Business Package (includes Basic General Ledger with AR/AP and Inventory Control)
$495 retail; Client Write-up program with after-the-fact payroll
$689 retail; Enhanced Business Package (includes Enhanced General Ledger with AR/AP and Inventory Control)
$150 each retail; add-on Job Costing, Fund Accounting or Active Payroll module
Absolute Solutions, Inc.; PO Box 232400; Leucadia, CA 92023; 619-436-5495, 800-633-7666 or 619-436-1334 (fax)

Computerized Classic Accounting Job Cost Program
Job costing for CCA users
Macintosh Plus or larger; 2 MB of RAM; 20 MB hard disk drive; ImageWriter or LaserWriter.

The Job Costing module for Computerized Classic Accounting is designed for fund accounting, as well as the contract and/or service-oriented business. The program handles allocations at three levels of distribution: up to 999 jobs; up to 999 groups within each job; and up to 999 items within each group. The set-up names and formats of these categories are entirely defined by a user. Jobs can be created by copying previous jobs for easy startup. Income and expenditures can be exported directly from the CCA Cash Disbursements, Cash Receipts or Payroll Journals for allocation in Job Costing. The Job Cost program includes easy budgeting; the program automatically displays the budget amount, the amount expended and the balance remaining for each job group in a useful spreadsheet format. Transactions can be reported in total or for specified jobs. In addition, the program provides for comparison analysis of different jobs. Formatted reports can also be exported to Excel, where they can be customized or used to produce graphs.
$150 retail
Absolute Solutions, Inc.; PO Box 232400; Leucadia, CA 92023; 619-436-5495, 800-633-7666 or 619-436-1334 (fax)

Connected Accounting
Accounting and business management
Macintosh LC or larger; System 6.0.4 or later.



Connected is an integrated, multiuser, cross platform accounting and business management package for both Macintosh and Windows, for small, medium or departmental enterprises. Connected meets the needs of businesses and other institutions requiring full-featured accounting, easy to learn and use, while retaining capacity and flexibility to handle future growth. Connected General Accounting includes: Accounts Receivable, with instant access to sales history and credit sales status simplifies and improves collections and sales management for increased cash flow; Accounts Payable, which issues checks easily in manner of choice at optimum time, taking advantage of discount options. Detailed analysis and cash flow preparation provide an efficient way to manage the payable department. General Ledger, complete with audit trails, drill down capability, multiple companies, profit centers/departments, bank reconciliation, 18 open periods and user-defined account numbers. Connected Inventory Management ensures adequate inventory levels while minimizing investment, establishes accuracy, quick and easy data entry. It includes the ability to use up to six decimal places, track serial or lot numbers, use varying discount levels, verify credit limits and includes Bill of Materials, allowing manufacture and sale of kits or bundles. Connected Job Costing provides easy identification of cost overruns and offers realistic picture of costs, complete and timely billing is ensured. It includes full cost tracking, timesheet entry, purchase order costs per job, budgeting per cost phase, automatic invoices with customizable markups.
$995 starting price retail; single-user accounting
$1,245 starting retail; Inventory Management and Job Costing-multiuser
$$1,795 starting retail; GL/AR/AP-multiuser
Everyware Development Corp.; 6543 Mississauga Rd.; Mississauga, Ontario, Canada L5N 1A6; 905-819-1173 or 905-819-1172 (fax)

CouNTiT
Back office accounting for rental companies
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; printer.

CouNTiT handles statements, accounts receivable, accounts payable, billing, collections, cash flow, customer profiles, time card math, check writing, etc. It provides accounting support for the ReNTiT rental point of sale system. CouNTiT comes with one year of free technical support.
$995 retail
Simple Solutions; 21930 Valerio St.; Canoga Park, CA 91303; 818-887-2542 or 818-887-1313 (fax)

Data Tranzlator For Quicken
Takes any text file and changes it into the Quicken QIF format
Macintosh Plus or larger; hard disk drive; System 6.0.5 or later; HyperCard 2.1 or Player.

Data Tranzlator can take any text file and change it into the Quicken QIF format, allowing users to export and import from their FileMaker Pro database into Quicken effortlessly. This powerful utility eliminates the "double entry" nightmare of getting information from a database and into an accounting program. It automatically performs an import of all the Quicken "Split" functions when items are broken down by accounting category. It is very user friendly and is controlled by a series of buttons that allow users to save their "Preferences" from their own import/export setups. It also comes preset for sales systems, such as Biz Basics, allowing users to merely click a couple buttons to take care of necessary import/export of field orders. Call for use with other programs, such as PageMaker, FileMaker Pro and various other accounting programs.
$89 retail
Working Solutionz Software; 2191 Rosecrans St.; Simi Valley, CA 93065; 805-522-2170 or 805-527-7787 (fax)

DD Itemizer
Capital asset management
Macintosh Plus or larger; 2 MB of RAM.

Itemizer takes the tasks associated with asset management and makes them easier. It provides laser printer owners with easy-to-use facilities for printing bar-code labels and data entry charts for use during asset labeling and identification. Itemizer's data entry windows are easily modified for each end user's unique requirements. Assets are entered into Itemizer either by importing a file from disk, downloading information from a portable data collection unit or by manually keying in the data. Physical inventories are performed using portable bar-code readers and collected information is then ported to Itemizer for analysis. Itemizer prints physical discrepancy reports that detail missing and unidentified items. Physical inventories can be conducted by room, floor, building or company and can be performed at any time. Itemizer interfaces with all portable data collection units and provides extensive utilities for querying the database, creating user-defined reports and exchanging data with other systems.
$695 retail
DataDesigns; 8269 Fredericksburg Rd.; San Antonio, TX 78229; 210-697-0780

Evolve
Analysis tool for all types of accounting software
Macintosh Plus or larger; 2 MB of RAM; 20 MB hard disk drive; ImageWriter or LaserWriter.

Evolve is a high-powered analysis tool, working under Excel. It takes the data from any accounting program and transforms it through a unique graphical interface into its own file system. Once transformed, the data can be used for a wide array of analytical operations. With easy menu commands, users can quickly create customized output of all kinds: flexible financial statements, budgets, charts, comparisons, projections, business ratios and unlimited graphs. Data can be accumulated up to five years. Evolve imports data quickly because it retains the Chart of Accounts from the first download; only new accounts need to be added.
$195 retail

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Absolute Solutions, Inc.; PO Box 232400; Leucadia, CA 92023; 619-436-5495, 800-633-7666 or 619-436-1334 (fax)

ExpensePlus
Business reporting software
Newton MessageCard; Newton Connection Kit; Macintosh Plus or larger; 1 MB of RAM; System 7.1 or later.

ExpensePlus simplifies the way users capture, organize and report business expenses. It is the fastest way for users to get their money back. Business reporting software engineered specifically for the Newton MessagePad and related technology, ExpensePlus lets users easily track hotel bills, cab fares, meals, tips, air fares and more. It takes advantage of Newton Intelligence, leading-edge technology and recognizable graphic icons. With ExpensePlus, a tap on the Newton records an expense. Or users can simply jot "$16.95 pizza" on the notepad and tap the Assistant icon. An expense slip is automatically created. With ExpensePlus, expense reports can be printed or faxed directly from the Newton. Or users can send expense data to many popular Macintosh and Windows software products for advanced business expense reporting. User-customizable templates are included, providing the flexibility to meet a variety of corporate reporting formats. A host of other ExpensePlus features are designed to make expense reporting effortless.
$139.95 retail; on diskette
$159.95 retail; on PCMCIA card
State of the Art, Inc.; 56 Technology; Irvine, CA 92718; 714-753-1222, 800-854-3415 or 714-753-1580 (fax)

FlexShare
Accelerates performance of FlexWare's accounting modules over AppleTalk and EtherTalk
Macintosh Plus or larger; 2 MB of RAM (4 MB for System 7); hard disk drive with 47 MB or more of free space.

FlexShare is a high-performance software product that speeds FlexWare database performance over AppleTalk and EtherTalk. Normally, accounting systems access a shared database by each computer reading through the "index" portions of the database to find the record they need. This means that the network becomes jammed with the transmission of indexes, and performance in a large network is poor. With FlexShare, the computer that holds the database does the search locally and returns the requested record. As a result, users receive the information they need much faster, and the load on the network is cut dramatically. Performance is improved by a factor of 30 to 80 in larger networks. FlexShare requires either a dedicated computer, or it can co-exist with AppleShare on the same computer.
$995 retail
Manzanita Software; 2130 Professional Dr., Ste. 150; Roseville, CA 95661; 916-781-3880, 800-447-5700 or 916-781-3814 (fax)

FlexWare
Multicompany, multidepartment and modifiable accounting system, with complete audit trails
Macintosh Plus or larger; 2 MB of RAM (4 MB for System 7); hard disk drive with 30 MB or more of free space; multiuser requires AppleTalk or EtherTalk and networking software, such a AppleShare or FlexShare (client server); FlexShare and/or AppleShare require dedicated Macintosh.

FlexWare Accounts Receivable is a system designed to provide users with instant access to sales history and credit status for each of their customers. It decreases the time spent preparing invoices and statements and can improve average collection time. Payments can be quickly entered and applied.

FlexWare Accounts Payable is designed to maintain vendor information and to receive vendor invoices, calculate invoice due dates and discounts, distribute invoices to appropriate General Ledger accounts, write checks at the optimum time and provide management reports, including cash forecasting reports.

FlexWare General Ledger is designed to record a company's financial transactions, receive information from other accounting applications and maintain records for management reports and financial statements.

FlexWare Inventory is designed for managers to balance inventory levels between adequate stock to meet sales or usage requirements without excess investment in inventory.

FlexWare Order Processing enters, records, processes and reports sales orders entered at the moment an order is taken. It will automatically post customer accounts in the FlexWare Accounts Receivable module and update product records in the FlexWare Inventory module.

FlexWare Purchasing is designed to help reduce costs of purchasing, insure adequate inventory levels and minimize inventory investment.

FlexWare Point of Sale is a fast, simple and straight forward system to record sales in a retail, wholesale or service environment. It is fully integrated to FlexWare's backroom accounting modules. It processes retail sales, provides full sales analysis and keeps inventory up to date.

FlexWare Job Costing is a completely integrated cost accumulation module. Costs accrued through Payroll, Accounts Payable, Accounts Receivable, General Ledger and Inventory are detailed and summarized. FlexWare Job Costing can be used in conjunction with FlexWare AR, Payroll, AP, GL, Inventory or as a stand-alone cost tracking system.

FlexWare Payroll is designed to maintain employee and pay information. It processes salaried or hourly employees with flexible time-card entry using a variety of pay rates to calculate their net pay. The system calculates a variety of voluntary and tax deductions with user-definable tax tables, for state and federal, to arrive at a net pay.

Report Writer is an easy to use graphical interface used to create report specifications processed by Report Writer print program.
$695 retail; each modules
$39.95 retail; FlexTour Test Drive
Manzanita Software; 2130 Professional Dr., Ste. 150; Roseville, CA 95661; 916-781-3880, 800-447-5700 or 916-781-3814 (fax)

General Financials V7.1
Accounts Receivable, Accounts Payable, General Ledger, Order Entry, Invoicing, Inventory Control (other modules are available)
Macintosh Classic or larger; hard disk drive; printer.

General Financials has been designed with the latest technology, is compatible with System 7 and provides a fully integrated, multiuser, direct sales and double-entry accounting system for business use. The system offers multiple window display and operation, along with online help windows to automatically enter information. Sales orders interact with the inventory files, placing products on reserve for shipment from a main or remote warehouse(s). Standard or discount pricing structures are available for sales orders. Purchasing of materials or products will interface with the Inventory and Accounts Payable modules. Accounting can be maintained for profit and cost by multiple division and/or departments, and includes individual and consolidation of income statements. The integrated accounting modules provide industry standard accountability and audit trails. Modules include Order Entry, Invoicing, Inventory Control, Accounts Payable, Accounts Receivable and General Ledger. Additional modules are available.
$9,000 retail; standard multiuser package
Advanced Data Systems, Inc.; PO Box 5717; Winter Park, FL 32793; 407-657-4805 or 407-657-4472 (fax)

Grant Manager
Grant and fund accounting
Macintosh 512K or larger; hard disk drive.

Grant Manager is a general-purpose grant and fund accounting program. Using the order-entry module, orders are typed into a Macintosh. The program prints on requisition/order forms and maintains customized vendor catalogs. Charges to grants are tracked automatically, and printed reports aid in the analysis of ordering and spending activities. The reconciling module keeps accounts balanced with university ledgers.
$425 retail
Niles & Associates, Inc.; 800 Jones St.; Berkeley, CA 94710; 510-559-8592 or 510-559-8683 (fax)

Great Plains Accounting Version 7
Accounting and business management software
Macintosh Plus or larger; 1 MB of RAM; 800K double-sided disk drive.

Great Plains Accounting is a full-featured line of accounting and business management software that provides the information needed to manage small- to medium-sized businesses. The series includes General Ledger with Financial Report Generator, Accounts Receivable with Invoicing, Accounts Payable, Payroll, Cash Management with Checkbook Reconciliation, Inventory, Order Entry with Point of Sale, Purchase Order, Job Cost, System Manager with Executive Advisor and Import Manager. Each module may run stand alone (with System Manager) or fully integrate with other modules. The system provides more than 75 reports and allows them to be moved to spreadsheets or databases. It incorporates solid accounting controls, extensive password security and complete audit trails with extensive error trapping to prevent mistakes. It also includes online help.
$495 to $995 per module retail
$495 retail; Import Manager
$395 retail; Client/Server (enhances performance speed and reduces network traffic)
Great Plains Software; 1701 SW 38th St.; Fargo, ND 58103; 701-281-0550, 800-456-0025 or 701-281-3700 (fax)

Great Plains Dynamics
Network-ready, graphical accounting and business management software
Macintosh IIsi or larger (Macintosh IIci recommended); 4 MB of RAM (6 to 8 MB recommended); System 7.0 or later.

Great Plains Dynamics is network-ready, graphical accounting and business management software. Dynamics is organized in module series that reflect business tasks. The series include the Foundation, Financials, Sales, Inventory, Payroll, Purchasing, Project Accounting and Tools Series. The software incorporates a WYSIWYG Report Writer; user-definable account numbers; editable online documentation, modifiable reports and screens; cross-platform data access; and a full range of accounting functionality. Dynamics uses sophisticated record relationships for entering and updating large groups of records, including customers, vendors and inventory items. The product also provides an on-screen audit trail with its "zoom" or "drill down" capabilities. Dynamics is offered with a suite of customization tools, including the Dynamics Modifier and the Dynamics Linking Toolkit. Dynamics' underlying foundation, Dexterity, is a graphical, cross-platform applications development system optimized for developing transaction-oriented applications using object-oriented programming techniques.
Call for pricing; varies according to modules purchased
Great Plains Software; 1701 SW 38th St.; Fargo, ND 58103; 701-281-0550, 800-456-0025 or 701-281-3700 (fax)

In-House Accountant
Accounting
Macintosh 512K or larger; two 400K drives; or 800K drive.

In-House Accountant turns a user's PC into a financial manager. This program organizes both personal and small business finances. Business features can be turned on or off and include General Ledger, Accounts Receivable and Accounts Payable. The program is a unified accounting system that does not require posting or end-of-month closing routines. Features include: unlimited transaction entry; one entry window for all transactions; two types of recurring transactions; 50 disbursement accounts available; automatic reconciliation; up to 1,000 accounts can be entered; budgets, unit pricing and inventory items available; verify/fix data feature repairs data if it should become damaged; financial formulas; user-specified reports; aging reports, invoices and customer statements; pie charts and bar graphs; up to 5,000 names can be entered; balance forward or open item available; context sensitive help; and more.
$349 retail
Software America, Inc.; 2600 Garden Rd.; Monterey, CA 93940; 408-649-0576 or 408-655-2450 (fax)

Inventory Control Program
Keeps track of inventories for wholesale, distribution and retail businesses
Macintosh Plus or larger; hard disk drive recommended; ImageWriter recommended.

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Aatrix PayCheck, Payroll or Ultimate Payroll 1-800-426-0854

The Inventory Control Program is available in two basic versions: Standard for the wholesale, distribution and retail businesses; and Central for corporations that issue product to departments, divisions, etc., and require monthly accounting in regards to what department, division or account received how much product and at what cost. Items tracked include the SKU (stock number), description, quantity on hand, cost price, selling price (Standard Version only), location, vendor code, minimum/maximum reorder levels, period-to-date and year-to-date sales, total cost and selling values, last date ordered/received/sold and the quantity on order. There is also a version that tracks the various sizes available within a certain SKU or stock number. Reports include complete inventory listing, selected item listing by SKU prefix or vendor code, price or catalog listings, item labels, physical inventory work sheets, cost of goods sold, period and year-to-date movement and more.
$295 retail
$25 retail; demo
S&J Enterprises; PO Box 1134; Bettendorf, IA 52722; 319-332-1188 or 319-332-4252 (fax)

InvoicIt
Invoicing and Accounts Receivable
Macintosh Plus or larger; hard disk drive; MacMoney 4.0; System 6.0.3 or later.

InvoicIt is an invoicing and Accounts Receivable module for MacMoney. It allows users to create a client list and easily enter invoices and payments. A Billing Items List makes invoicing easy. "Click to Stick" and all the other entry shortcuts of MacMoney are available. It handles up to 2,000 clients with name, address, telephone, terms and year-to-date totals. Invoices can include up to 300 lines per invoice. All standard reports (Invoice Journal, Cash Receipts Journal, Aging and Transaction Activity), as well as invoices and statements can be printed. All accounting information is automatically passed to MacMoney for complete accounting records. InvoicIt is designed for the small business, including home-based businesses that are either service or product oriented. InvoicIt is Power Macintosh compatible.
$79.95 retail
Survivor Software Ltd.; 11222 La Cienega Blvd., Ste. 450; Inglewood, CA 90304; 310-410-9527 or 310-338-1406 (fax)

Lake Avenue Accounting Collection
Modular accounting written in FoxBase+/Mac (custom modifications and source code available)
Macintosh Classic or larger; 1 MB of RAM; hard disk drive.

The Lake Avenue Accounting Collection contains the following software modules: General Ledger, Enhanced Financial Reporting, Accounts Receivable, Accounts Payable, Payroll, Job Costing, Professional Time & Invoicing, Order Entry/Invoicing, Inventory and Bank Reconciliation.

The Multi-Company version is available for CPA/client write-up or for larger companies. More than 7,000 companies are supported by this version. It also supports multistate payroll.

The Assistant Controller version accounts for up to 1,000 separate departments on both a consolidated or departmental basis. Intercompany/departmental entries are automatically posted, and password protection is offered. Both versions offer cash and accrual basis accounting.
$195 per module retail; Lake Avenue Accounting Collection
$395 per module retail; Multi-Company/Multi-User Version
$75 per module retail; semi-annual updates (optional)
Lake Avenue Software; 50 E. Foothill Blvd., 1st Fl.; Arcadia, CA 91006; 818-445-9700 or 818-445-0381 (fax)

M.D.A. (Multiuser Desktop Accounting)
Business accounting; all functions are fully integrated
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; ImageWriter or LaserWriter.

M.D.A., written with Omnis 3 Plus, is designed for use in small- to medium-sized businesses. It offers users the necessary accounting procedures to track, project and control all financing aspects of a business. Available program modules include: General Ledger, Inventory, Sales Orders-Quotes, Accounts Receivable, Reps-Sales Activity, Invoicing, Accounts Payable and Purchasing. Additional payroll and graphic modules and vertical-market applications are available to meet specific accounting requirements, such as check writing, audit trails, custom reporting, budgeting and more. The multiuser version of the program can support an accounting staff limited only by the hardware and/or software configuration.
$1,795 retail; single user
$2,795 retail; up to five users
Logisoft, Inc.; 128 Villa Ct.; Lafayette, CA 94549; 510-939-3556 or 510-939-3557 (fax)

M.D.A. Basics (Multiuser Desktop Accounting)
General Ledger, Accounts Receivable, Accounts Payable, Billing with POS
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; ImageWriter or LaserWriter.

M.D.A. Basics is a complete and accurate accounting package that provides users with accounting procedures needed to account, project and control a company. Integrated under a single menu, the package includes General Ledger, Accounts Receivable with billing and Accounts Payable. Limited inventory, sales rep and invoicing are included.
$1,195 retail; single user
$1,995 retail; up to five users
Logisoft, Inc.; 128 Villa Ct.; Lafayette, CA 94549; 510-939-3556 or 510-939-3557 (fax)

M.Y.O.B. Small Business Accounting With Payroll
Integrated accounting and small business management software
Macintosh Plus or larger; 2 MB of RAM; hard disk drive with 3 MB of free space; System 6.0 or later.

M.Y.O.B. is pre-set for more than 30 types of businesses. Its latest features include a powerful payroll module with a "smart" tax engine, easy getting started, recurring sales & purchases for frequently produced invoices and purchase orders and many other invaluable, time-saving features. M.Y.O.B. Accounting with Payroll also includes such unique capabilities as a card file that automatically keeps track of customer, vendor and employee information. It allows users to zoom back to original transactions, project future cash flow, correct errors easily and customize all business forms. Full-featured accounting includes General Ledger, checkbook, item or service invoicing, cash flow forecasting, Accounts Receivable, Accounts Payable, more than 80 management reports and an interactive To Do List, which automatically alerts users to overdue receivables, overdue payables, discounts about to expire, inventory items that need to be re-ordered, customers that users have promised to contact and merchandise promised to complete or ship. M.Y.O.B. Accounting with Payroll is System 7 savvy.
$199.95 retail
$99.95 retail; without Payroll
Best!Ware; 300 Roundhill Dr.; Rockaway, NJ 07866; 201-586-2200, 800-322-6962 or 201-586-8885 (fax)

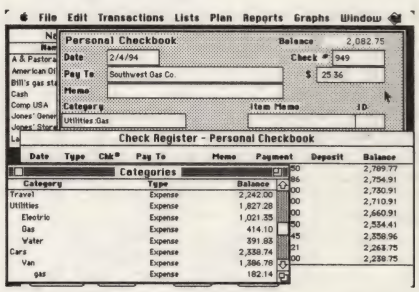
Mac PumpMan
Business management program for the liquid waste industry
Macintosh Plus or larger; hard disk drive; ImageWriter or LaserWriter.

Mac PumpMan is a business-management system designed for companies specializing in liquid waste pumping, installation and servicing. Features include an unlimited database size; automatic routing, service scheduling, estimating, invoicing, billing and posting; a wide variety of reports, such as customer status, open and completed orders, daily income, weekly income and monthly income; Accounts Receivables with full aging; detailed salesman file and automatic commission calculation; scrollable price list; unlimited form and letter writing capability; mail merge; Help screens for each Menu item; multiuser and LaserWriter support; data and report interchange with other business programs; and more.
$1,495 retail; with support
$495 retail; without support
Nova Electronics & Software; 1525 Third St., #A201; Riverside, CA 92507; 714-781-7332 or 714-781-0178 (fax)

Macintosh Report Writer
Customizes reports and exports Great Plains Accounting data into other applications
Macintosh Plus or larger.

The Macintosh Report Writer extends the reporting flexibility of Great Plains Accounting with its capabilities to customize reports and export Great Plains data into other Macintosh applications. The Macintosh Report Writer's point and click user interface with pull-down menus and WYSIWYG report design provides the formatting flexibility for customizing and enhancing reports. The Macintosh Report Writer extracts data from Great Plains Accounting, selects and sorts the data and displays it in queries or reports. It offers significant power and flexibility in selecting and sorting the data, performing calculations and viewing and printing or saving the information to disk.
$795 retail; single user
$995 retail; multiuser
Great Plains Software; 1701 SW 38th St.; Fargo, ND 58103; 701-281-0550, 800-456-0025 or 701-281-3700 (fax)

MacMoney Version 4.0
Financial record keeper and management for personal or small business finances
Macintosh Plus or larger; second disk drive or hard disk drive required; System 6.0.3 or later.



MacMoney is a financial record keeper and management program that can be used for personal or small business finances. The program can be used to track bank accounts, credit cards, cash, assets, liabilities, income and expenses. It also includes optional budgeting features and a Plans Menu that allows a user to explore simple loan schedules and saving scenarios for retirement and future goals. Features include: transaction entry through windowing features; expanded planning by exporting data to a tab-delimited text file and transferring it into Excel, Word, MacWrite, Helix, etc.; up to 1,000 categories; extensive reports and graphs; readable standard reports, including Income & Expense, Personal Balance Sheet and Transaction Activity; helpful loan amortization or payment schedules; data summarized using line and bar graphs with or without trend-line analysis, or three-dimensional pie charts; up to 30,000 transactions per system depending on hardware; checks automatically printed, including addresses from a list of up to 1,000 names; ability to budget any account by month, if desired; imports CheckFree, BillPay USA, Aatrix PayCheck and selected other data; and more.
MacMoney is Power Macintosh compatible.
$89.95 retail
Survivor Software Ltd.; 11222 La Cienega Blvd., Ste. 450; Inglewood, CA 90304; 310-410-9527 or 310-338-1406 (fax)

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Aatrix PayCheck, Payroll or Ultimate Payroll 1-800-426-0854

Maconomy Business Solutions
Accounting, sales and distribution, inventory, service and grant management
Macintosh LC III or larger; 5 MB of RAM; 80+ MB hard disk drive for server; 40+ MB hard disk drive for client; System 7.0 or later.

Maconomy is a high-end, customizable, fully integrated, multiuser accounting and business management system based on SQL relational database technology with true Client/Server architecture. Maconomy can expand from single user to more than 100 users with a Macintosh or a Unix engine as the Server. Double entry posting assures that the General Ledger is always in sync with subsidiary systems. Multidimensional cost accounting and date-based open posting allows for ultimate reporting flexibility; there is an unlimited number of open periods. Multiple currency control and VAT features are already built in. Maconomy offers an unlimited number of price lists, each with five-level volume discount setup. Comprehensive line item discount agreements satisfy the most demanding firms within Wholesale Distribution and Light Manufacturing. Maconomy includes the following features: multiple inventory locations; serial number tracking; bill-of-materials; costing methods include average, LIFO and standard; real-time status per item is available; on order; on quote; on back order; and on PO (not yet received). Job cost system tracks the cost allocation for time and material and manages billing for jobs and phases. Maconomy provides a real-time picture of job performance against budget per job and phase. Maconomy deliverables include General Ledger; Basic; Trade; Job Cost; Bill-Of-Materials; Encumbrance; Multiple Companies; LayoutDesigner; and ReportDesigner for the ultimate in customization.
$895 starting price per module retail
Maconomy NE Inc.; 124 Anderson Rd.; Marlborough, MA 01752; 508-460-8337 or 508-460-6327 (fax)

MacP&L
Small business accounting package
Macintosh Plus or larger; 1 MB of available RAM; hard disk drive; System 6.0.4 or later; printer.

MacP&L is a small business accounting package that integrates General Ledger, Accounts Payable, Accounts Receivable, Inventory, Payroll, Project Tracking and complete financial analysis. Businesses can track an unlimited number of customers, vendors, inventory items and General Ledger accounts. The program creates invoices, checks, purchase orders, statements, credit memos and job quotes. It uses pre-printed forms or will actually generate a form on plain paper. More than 100 reports can be accessed at any time to provide businesses with essential financial information whenever it is needed. Using System 7 technology, MacP&L can share information with other System 7-compatible software, allowing users to customize forms, create custom reports and interchange data with spreadsheets. A multiuser version is also available, which uses an advanced client/server design for superior performance on all AppleTalk networks, from the simplest LocalTalk and PhoneNET to the fastest Ethernet. The base multiuser configuration includes three users, with additional users optional.
$299 suggested retail; single user
$599 suggested retail; multiuser (three users)
State of the Art, Inc.; 56 Technology; Irvine, CA 92718; 714-753-1222, 800-854-3415 or 714-753-1580 (fax)

MacRegister
Point-of-sale, accounting and inventory control system
Macintosh SE or larger; hard disk drive; ImageWriter II.

MacRegister is a fully integrated, single user or multiuser, point-of-sale, order entry accounting and inventory control system designed for use in wholesale or retail businesses. Point-of-sale functions include customer ledgers, customer comments, Accounts Receivable, finance charges, payments received, gift certificates, order entry, back order tracking and sales invoicing with automatic calculation of customer and/or quantity discount prices, adjustment of inventory quantities and calculation of salesperson commissions. Invoice types include retail, wholesale, rental, consignments and price quotes. Purchase functions include Accounts Payable (with optional check printing), purchase order and purchase receipt entry with automatic adjustment of inventory quantities and costs.

The Inventory is a perpetual inventory control system that provides fields to record the item description, vendor, vendor part number, taxable item indicator, serial numbered item indicator, warranty period, color, size, weight, style, location, suggested sale price, four levels of discount prices, first cost, last cost and moving average cost. The system maintains the current quantity on rent, consignment, back ordered, on order and on hand. The General Ledger is a double-entry, accrual accounting system that is fully integrated with all other portions of MacRegister. More than 80 sales, customer, purchase, vendor, inventory, employee and General Ledger reports are provided.
$999.95 retail; single user
$1,199.95 retail; multiuser
Pacific Software Engineering; 109 Minna St., Ste. 273; San Francisco, CA 94105; 415-753-8388

■ **MacSys Funds Manager**
Account management tool
Macintosh SE or larger; 4 MB of RAM; 40 MB hard disk drive.

MacSys Funds Manager is a simple, easy-to-use software application that provides increased control and reporting of account transactions and status. It is designed for non-accountants who require an account management tool to control multiple bank accounts and many internal fund or project accounts. Funds Manager provides a quickly-learned, easily-managed tool to track transactions and lessen accounting losses.
$399 retail; without runtime
MacSys Inc.; 362 Terry Fox Dr., Ste. 200; Kanata, Ontario, Canada K2K 2P5; 613-591-9200 or 613-591-8089 (fax)

MacSys Site Management System
Site management system
Server requires Macintosh SE/30 or larger; 8 MB of RAM; 80 MB hard disk drive. Client requires Macintosh Plus or larger.

The MacSys Site Management system is a 4th Dimension-based client/server site management and financial reporting tool that features extreme ease of use. The system is designed for centrally managed organizations whose operations include physically separated sites that communicate over standard telephone lines. The system is intended to operate in tandem with established accounting systems, enhancing their use, producing supplemental reports and providing operating features not available with conventional systems. The system greatly simplifies all central and site accounting procedures. The system consists of seven integrated modules. These are the Fund Maintenance, Purchase Order, Time Sheet, Leave Form, Local Funds, Asset and Setup modules. One key feature of the system is that system-level controls can be defined centrally to help regulate site operations. Data transfer between the remote sites and the central office (server) can be initiated manually or on a predefined schedule. The system has multilingual capabilities. Customization is available as required.
$75,000 U.S. retail; 25-site system
MacSys Inc.; 362 Terry Fox Dr., Ste. 200; Kanata, Ontario, Canada K2K 2P5; 613-591-9200 or 613-591-8089 (fax)

Managing Director
Accounting and business management system
Macintosh LC or larger; 12-inch or larger monitor recommended; System 6.0.5 or later (System 7 required for some features); Helix Express 2.0 or later; full-page monitor recommended; PostScript-compatible printer or ATM.

Managing Director is a comprehensive and secure client-server based multiuser practice management system, developed, published and directly supported by practicing attorneys. It integrates the management of case files, clients and all other associated persons; reminders, schedules and work assignments, including the retrieval of externally stored computer documents; business, trust and tax accounting, including laser checks and self-configuring income statements; time and billing; computer-assisted document drafting; and more. More importantly, it performs these many functions elegantly in an inviting, intuitive and integrated way while fully exploiting the Macintosh interface. Dynamically linked pop-up menus, on-screen command buttons, intelligently computed defaults and very extensive data validation during and after entry ensure accurate, efficient and consistent entries without the need to remember obscure codes or commands and with a minimum of typing. Built-in intelligence constantly watches as users work, alerting them to errors and offering coherent and appropriate explanations if requested.
$1,500 retail; single user
$2,500 retail; multiuser server and two users
$750 retail; each additional user
Volume pricing is available
Scaramella & Hoofnagle, Computer Division; I-46 Executive Mews; 1930 Rte. 70 East; Cherry Hill, NJ 08003; 609-424-2100 or 609-424-4896 (fax)

Manapro Accounting Software
Multilingual accounting
Macintosh Plus or larger; 4 MB of RAM; System 6.0 or later.

Manapro Accounting Software is a series of independent modules that can be easily integrated into a complete accounting and administrative system. These multilingual applications are available in English, Spanish, French, German, Italian and Portuguese. The General Ledger module features unlimited departments and accounts and user-definable formats for financial statements; Accounts Receivable features user-definable letters and reports, automatic calculation of interest; Accounts Payable provides an efficient way to manage a payable department with user-definable letters, reports and forms, payment scheduling and printing of check forms; Inventory Control facilitates inventory management with primary and secondary product codes, user-definable cost assignment and reports, extended comments for transactions and items; Personnel & Payroll features employee photographs, unlimited report formats, user-definable reports, definable calculations of deductions and benefits and printing of payroll checks; and Sales & Billing features user-definable invoices, letters, reports, forms, commissions, taxes, etc.
$695 each single user; General Ledger, Accounts Receivable, Accounts Payable, Inventory Control
$1,390 each multiuser; General Ledger, Accounts Receivable, Accounts Payable, Inventory Control
$895 each single user; Sales & Billing, Personnel & Payroll
$1,790 each multiuser; Sales & Billing, Personnel & Payroll
Manapro Inc.; 3201 W. Commercial Blvd., Ste. 220; Ft. Lauderdale, FL 33309; 305-486-5900 or 305-486-8771 (fax)

Marina Mac
Marina accounting program
Macintosh Plus or larger (SE/30 or II recommended); 2 MB of RAM; hard disk drive.

Mac Marina is an invoicing and accounting package for marinas and yacht clubs. It includes files for customers, boats and service charges. The charge for each service is defined as a function of a number of parameters, including hours, length of boat, number of engines, etc. Invoices can also include materials and charges for services not on the standard list. Charges are accumulated by customer and an invoice prepared for all outstanding charges or a selection thereof. Payments are treated as "on account," but assumed to be against the oldest invoice. Statements are available, as well as the capability to charge interest. Cash disbursements can also be recorded, and a General Ledger file of all charges and payables is maintained.
$1,250 retail; customization service available
Macintosh Business Systems, Inc.; 3 Country Ln.; Mamaroneck, NY 10543; 914-698-7215

MultiLedger
General Ledger, Accounts Receivable, Accounts Payable, Inventory tracking
Macintosh Plus or larger; 1 MB of RAM.

MultiLedger is an integrated accounting package that consists of General Ledger, Accounts Receivable, Accounts Payable and Inventory. It also provides service invoicing, profit centers, job costing and commissionable sales. Full import/export (including transactions) with import preview is built in. A full year of transaction history is maintained. Transactions can easily be modified until the month is closed, and adjustments can be made to any month in the current year. Customer and vendor history are available during transaction entry. Customers and vendors can be set up with

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credit limits. Notes can be added to transactions. Document descriptions and customer or vendor names are included, along with document numbers and dates in lists for quicker identification. MultiLedger also provides bank reconciliation. Payables and receivables are tracked using the open item method. Account balances can be graphed or exported in SYLK file format. MultiLedger provides extensive financial reports, including Chart of Accounts, Trial Balance, Balance Sheet, Income Statement, Transaction Journals, General Ledger Listing, prior-year comparisons and more. Other reports include accounts payable and receivable (including aged periods), current year payments, vendor and customer information, current year sales, salespeople reports, inventory and service reports, mailing labels and more. MultiLedger can be customized for a variety of check, invoice and statement formats and printers. A 1099 miscellaneous income utility is included. MultiLedger contains a built-in link to Timeslips III. Payroll checks (including employer tax liabilities) created with CheckMark's Payroll program can be posted directly into MultiLedger. The MultiLedger multiuser includes capabilities allowing up to 10 users to simultaneously access company files on a shared volume.
$199 retail
Free demo disk available
CheckMark Software, Inc.; 724 Whalers Way, Bldg. H; Fort Collins, CO 80525; 303-225-0522, 800-444-9922 or 303-225-0611 (fax)

OnAccount 1.1
Professional invoicing
Macintosh SE/30 or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.

OnAccount is an invoicing program designed especially for small professional businesses. Unlike traditional accounts receivable packages, OnAccount requires no special knowledge of accounting to be used effectively. OnAccount is designed to be used on-the-fly, writing and posting invoices as soon as jobs are completed. OnAccount helps users fill in invoices by displaying an inventory list of frequently sold items or services. At month end, a single command advances account aging, assesses finance charges, if desired, and prints statements for all customers. OnAccount also creates a variety of sales reports. Version 1.1 allows users to customize the printing template used for invoices and statements, including a company logo. No forms are required. OnAccount will work as a stand-alone invoicing application or linked to White Crow's Office Manager. When linked, OnAccount can import time and expense data from Office Manager's job tracking file. OnAccount is an ideal billing solution for designers, photographers and other professionals.
$99 retail
White Crow Software; 19 Marble Ave.; Burlington, VT 05401; 802-658-1270 (tech support), 800-424-0310 (sales) or 802-658-3873 (fax)

Order House 4.0
Integrated business system with people, database, inventory, accounting and shipping
Macintosh with 68030 or larger processor; RAM disk.

Order House is an integrated, multiuser capable program designed to completely manage wholesale, mail order, catalog fulfillment, distribution and small manufacturing businesses. Available features include: online order entry, invoices, purchase orders, full inventory with subparts, multiple price breaks, drop shipping, returns, media analysis, people database, cost-of-goods, aged receivables and payables, monthly statements, general ledger audit trail, profit and loss, balance sheet, mail merge, integrated ShipSmartz UPS shipping manifest system, Federal Express, Airborne Express and U.S. Mail shipping with rates and forms, electronic scale and bar-code reader input, PrintSmartz automatic multiple printer control, a graphics database and more. All forms and reports are fully queriable. Order House contains more than 150 live updating windows in a non-modular, easy-to-use environment.
Up to $4,995 retail; depending on configuration
$195 retail; multiuser nodes
Elefunt Software; 724 Allston Way; Berkeley, CA 94710; 510-843-7725 or 510-486-1818 (fax)

P.I.M.S.
Professional inventory management system

Macintosh LC, II or larger; 8 MB of RAM; hard disk drive; System 7.0.1 or later.

P.I.M.S. is an advanced inventory/sales management system with P.O.S. that allows a company of any size to manipulate different inventories (both finished goods and materials, if necessary) to the fullest extent possible. It allows users to have unlimited searching, sorting, reporting/charting and updating capabilities. Major aspects of P.I.M.S. include: invoicing, quotations, sales orders, automatic promotional pricing, purchase orders, receiving records, bar-code reading/printing, customer files, employee files, full sales commission reports, product categorization, sales tracking, packing lists, vendor files, automatic UPS lookups, backorder generation, price lists, import/export capabilities, product bundling, availability calculators, customer tracking, batch updating, multiuser support, clairvoyant lookups and more. P.I.M.S. will also interface to Peachtree Accounting for Mac software.
$495 to $4,995 retail; call for brochure and videotape
ExecUtron Computers; 1831 Guerneville Rd.; Santa Rosa, CA 95403; 707-525-3715 or 800-367-9969

Payroll
Payroll accounting
Macintosh Plus or larger; 1 MB of RAM.

CheckMark Payroll is a complete payroll system for small to medium-sized businesses. Employees can be set up as hourly, salaried or both, with flexible pay periods and deductions (including user-defined deduction categories based on a variable percentage or fixed calculation). Three hourly pay rates can be entered for each employee. All employee hours are entered in one window. Users can track regular, overtime, double-time, sick and vacation hours on a current and year-to-date basis. Vacation and sick hours can be accrued at a monthly rate with a warning when hours are taken beyond the available amount. Hours and wages can be distributed by departments (or jobs if using CheckMark's MultiLedger program). Three additional income categories can be defined as taxable or non-taxable. Deductions, such as 401(K) or cafeteria plans can be exempt from any combination of federal, state or local taxes. CheckMark Payroll creates payroll checks, employee earnings reports, quarterly tax liability reports and prints directly on W-2s and 941s. CheckMark Payroll also summarizes W-3 information. It can be customized for a variety of check formats and printers. Federal and state tax tables are included and can be modified by a user or updated each year for a modest fee. Payroll can import employee hours and import/export employee and check information. It can be used as a stand-alone payroll system or can post payroll data to either CheckMark's MultiLedger or Cash Ledger programs. CheckMark Payroll can also export employee checks and employer taxes to Teleware's M.Y.O.B. accounting program. A Canadian version of Payroll is available.
$129 retail; free demo disk available
CheckMark Software, Inc.; 724 Whalers Way, Bldg. H; Fort Collins, CO 80525; 303-225-0522, 800-444-9922 or 303-225-0611 (fax)

Payroll (Canadian)
Payroll system
Macintosh Plus or larger; 1 MB of RAM; hard disk drive recommended.

Payroll (Canadian) is a complete payroll system that calculates all employer and employee taxes. It supports weekly, bi-weekly, monthly and semi-monthly pay periods. It can be used as a stand-alone program or integrated with either MultiLedger or Cash Ledger. The program prints on ImageWriters, LaserWriters and many other dot matrix or laser printers. Reports include: paycheques containing current and year-to-date information, employee mailing labels, Employee Information Report, Employee Earnings Register, Cheque Register, Posting Summary, UI Insurable Earnings, WCB Summary, year-to-date cheques, T4s and Relevé 1. Other features include: supports multiple companies, profit centers and pay frequencies.; multiple user-definable deductions; calculates and tracks overtime, double-time, sick, vacation, commissions, bonuses and tips; alternate pay rates are possible for each employee; use standard cheque layouts or users can format their own cheques quickly and easily; and includes user-modifiable UI and CPP tables.
$199 Canadian retail
CheckMark Software, Inc.; 724 Whalers Way, Bldg. H; Fort Collins, CO 80525; 303-225-0522, 800-444-9922 or 303-225-0611 (fax)

■ **Payroll (Weekly/Bi-weekly/Monthly)**
Payroll accounting
Macintosh Plus or larger (68030 processor recommended); 2 MB of RAM; System 6.0 or later (System 7.1 recommended); hard disk drive.

Payroll is three different programs, one for each pay period. Each program has six files — Payroll-Main (after entering and reviewing the data users can print a payroll check or series of checks, tax information can be generated on a quarterly or yearly basis); Time Report (is updated at each pay period end, hours worked, overtime, sick, vacation and hours worked without pay can all be entered); Employee Appraisal and Employee Lookup (contains detailed information on employees, personal data, pay rates, vacation and sick time); and Single Federal Tax Lookup and Married Federal Tax Lookup (files contain the 1994 Federal Tax rates).
$149.95 retail
$5 retail; limited access demo
HPO Soft; 7812 W. Clayton Dr.; Phoenix, AZ 85033; 602-848-9758 or 602-849-5889 (fax)

Payroll Partner
Payroll
Macintosh Plus or larger; 1 MB of RAM; Microsoft Excel.

Payroll Partner handles up to 50 employees and accommodates all standard pay periods. California state tax tables, which can be customized to a user's state requirements, are included. The program calculates all federal and FICA taxes, and full summary and detail data for each period and employee, as well as prints the checks on an ImageWriter.
$99 retail
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

PayrollMaster
Accounts payable, payroll, check printing and checking account management
Macintosh Classic or larger; 4 MB of RAM; hard disk drive.

PayrollMaster runs accounts payable, calculates payrolls, prints checks and manages the business checking account. It helps organize business records and provides valuable evaluation features. Besides

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figuring payroll, checks can be assigned to general ledger expense accounts, which enables quick expenditure summaries. PayrollMaster prints on checks available from a well known form manufacturing company. PayrollMaster simplifies payroll procedures and saves time. No more paging through withholding tables to determine deduction amounts. An employee's wage status in entered initially and this information is automatically utilized for figuring payrolls with the click of a button. PayrollMaster handles federal and state withholding and determines deductions for IRAs, 401Ks, 403Bs, qualified cafeteria health plans and non-pretax deductions. Various periodic reports can be viewed on screen or printed, including month end, quarterly, 941, W-2, W-3 and checkbook category summary. The program can split a check into as many as four sub-categories and then allows a sub-category to be tracked.
$460 retail
$400 retail; for owners of other MacEssentials software
MacEssentials; 422 5th St. SE; Watertown, SD 57201; 605-886-2553, 800-658-3899 or 605-886-2739 (fax)

Peachtree Accounting For Macintosh
Small business accounting
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.3 or later.

Peachtree Accounting for Macintosh is designed for small business accounting needs with time-saving ease. The key accounting functions of this System 7-savvy package include General Ledger, Accounts Receivable/Billing, Accounts Payable, Payroll, Inventory, Job Costing, Bank Reconciliation, Purchase Order, Budgeting and Custom Forms Design. Specifically designed for the accounting needs of a small business, it remains one of the easiest accounting programs with its true graphical user interface, online help and interactive tutorial, as well as System 7's Balloon Help, Publish and Core Apple Events. Peachtree Accounting for Macintosh provides up to 26 open periods, 20 user-defined journals and 13 sample chart of accounts. Recurring invoices, bills and journal entries are allowed, along with the capability to handle one-time customers and invoices. This seamlessly integrated package is ready to grow with a user's business with its ability to handle an unlimited number of accounts, customers, vendors, employees and transactions.
$169 retail
Peachtree Software, Inc.; 1505-C Pavilion Pl.; Norcross, GA 30093; 404-564-5800, 800-247-3224 or 404-564-5888 (fax)

Peachtree Insight Accounting For Macintosh
General Ledger, Accounts Receivable & Billing, Accounts Payable, Inventory, Payroll
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.3 or later.

Peachtree Insight Accounting for Macintosh features fully integrated accounting modules for General Ledger, Accounts Receivable & Billing, Accounts Payable, Payroll and Inventory. Features include: powerful and flexible password protection, with each user having selective access to the features of any module; data automatically saved to disk periodically to protect against power failures or accidents; each module can be used stand alone or integrated with General Ledger; unlimited companies, up to 255 divisions, 999 departments and 999 profit centers; access to all general ledger accounts, customers, vendors, employees and items, by name or code, through the use of find tables; Insight's Palette provides a short-cut to frequently used forms; data entry windows look like forms users currently use, such as invoices and checks; historical audit trails of all transactions; the capability to view all reports on screen in WYSIWYG format; and more. Peachtree Insight Accounting is System 7 savvy with Voice Annotations, TrueType fonts and Core Apple Events.
$395 retail
Peachtree Software, Inc.; 1505-C Pavilion Pl.; Norcross, GA 30093; 404-564-5800, 800-247-3224 or 404-564-5888 (fax)

Pinehill Accountant 2.5
Integrated accounting system
Macintosh SE/30 or larger; 8 MB of RAM; hard disk drive.

Pinehill Accountant is a full, double-entry integrated accounting system (general ledger, accounts payable and accounts receivable) that allows users to manage different companies appropriately. Users can manage any number of three levels of their (and/or someone else's) organization's business entities (e.g., companies, divisions and products); vendors, customers, partners and/or stockholders, bank accounts and loans (mortgage and equipment). Users can mix cash and accrual accounting, closing the books or not, tracking and printing purchase orders (and pay vendors from the purchase order to avoid duplicate data entry) and invoices or not. Users can batch transactions or post them immediately; and they can import transactions, customers and vendors from other applications. Pinehill Accountant allows users to print invoices, statements, checks and deposit slips, as well as reconcile bank accounts, which can be shared among companies. Balance sheets (at the company level) and profit and loss statements (at any level) are automatically produced. Some other reports are: Trial Balance; Cash Disbursements Journal; Cash Receipts Journal; Accounts Payable and Receivable journals; General Journal; and General Ledger Detail Account Balances.
$795 retail; single user
$1,495 retail; with source code access (multiuser capable)
$1,895 retail; multiuser with server, two clients
$199 retail; each additional client
Pinehill Software Corp.; 53 Siders Pond Rd.; Falmouth, MA 02540; 508-548-4470 or 508-548-8731 (fax)

Pinehill Accountant Professional
Full, double-entry integrated accounting system
Macintosh SE/30 or later; 8 MB of RAM; hard disk drive.

Pinehill Accountant Professional is a full, double-entry integrated accounting system (general ledger, accounts payable and accounts receivable) that allows users to manage their company, vendors, customers, partners and/or stockholders, bank accounts and loans (mortgage and equipment). Users can choose cash or accrual accounting and closing the books or not. Users can batch transactions or post them immediately; and they can import transactions, customers and vendors from other applications. Pinehill Accountant Professional allows users to print invoices, statements, checks and deposit slips, as well as reconcile bank accounts. Balance sheets and profit and loss statements are automatically produced. Some other reports are: Trial Balance; Cash Disbursements Journal; Cash Receipts Journal; Accounts Payable and Receivable journals; General Journal; and General Ledger Detail Account Balances.
$495 retail; single user
$995 retail; with source code access
$1,395 retail; multiuser with server, two clients
$199 retail; each additional client
Pinehill Software Corp.; 53 Siders Pond Rd.; Falmouth, MA 02540; 508-548-4470 or 508-548-8731 (fax)

Precision Inventory Control And Order Entry
Inventory control/order entry system for mail-order businesses
Macintosh Plus or larger; hard disk drive; ImageWriter.

The Precision Inventory Control and Order Entry (PICOE) system is an inventory management system for mail order businesses. Inventory control includes functions for receiving new stock items, shipping stock items, updating stock information, reordering points for stock, back ordering stock and tracking year-to-date sales of stock. A retail and a cost-of-goods price is stored for each stock item. PICOE allows fast and efficient order entry processing of phone and/or mail-in customer orders.
$1,995 retail
Precision Computer Systems; 1130 E. University Dr., Ste. 205; Tempe, AZ 85281; 602-829-3131 or 602-829-3133 (fax)

ProfitAbility Professional
Integrated accounting system
Macintosh Classic or larger; 2.5 MB of RAM (4 MB recommended); System 6.0.5 or later.

ProfitAbility Professional is a fully integrated accounting system with a "hands-on" feel. As easy to use as the Macintosh, the "At A Glance" visual format lends itself to keeping an eye on business performance. ProfitAbility features customizable invoices and estimates, sales report/journal, inventory control, an automated/reconcilable checkbook, extensive financial statements, AR, AP, client/vendor database, a daily planner, printcheck and more. HyperCard 2.1 is included. Optional modules include Payroll, Time & Materials Job Tracking, APA Estimate/Invoice (for professional photographers) and PowerBook Planner.
$149 retail; includes 90 days of toll-free technical support and all upgrades
$40 retail; full working demo with manual (applied towards final purchase)
$29.95 each retail; optional modules
Wetzel & Company, Inc.; 147 E. Rocks Rd.; Norwalk, CT 06851; 203-846-2504 or 800-635-7849 (orders)

ShuBox II
Small business and personal accounting in one package
Macintosh Plus or larger; hard disk drive; printer.

ShuBox is a complete and comprehensive accounting system for a small business. In addition to accounting functions, it includes payroll and a mailing list provision from which records may be searched by up to 38 criteria. ShuBox tracks 10 bank accounts, seven different enterprise zones for a business, as well as schedule A and personal expenditures with payables, receivables, budgeting, debt amortization, banking, payable and receivable invoicing and more.
$40 retail; also shareware availability
A.H. Nussel Sr.; 260 NE 6th Blvd.; Williston, FL 32696

Small Business Accounting System
Designed for users who are running cash- or accrual-based businesses primarily out of one or more checking accounts
Macintosh Plus or larger; 1 MB of RAM; Microsoft Excel.

The Small Business Accounting System is designed for users who are running cash- or accrual-based businesses primarily out of one or more checking accounts. As a user makes accounting entries, the balance sheet or income statements are always kept up-to-date and in balance. A macro posts the entries. Sample entries and instructions walk a user through the various uses of this program.
$99 retail
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

Text Invoicer
Invoicing/accounts receivable application
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0 or later.

SK Text Invoice-1 is a simple-to-use invoicing/accounts receivable application designed specifically for businesses that do not have a structured inventory. It lets users create, save and/or print invoices that have only a total dollar amount. SK Text Invoice-4 allows users four fields (up to 250 characters each line) in which to do invoicing. It also allows separate prices for each of the four lines, which it will total for users. Users pick the invoice that will best suit their company needs. Bids are created just like any other invoice, but the button "Hold" is checked. This prevents the invoice from becoming a charge in the accounts receivable section of the program.
$159 retail
ShopKeeper Publishing International, Inc.; PO Box 38160; Tallahassee, FL 32315; 904-222-8808 or 904-668-9916 (fax)

Hire a Payroll Expert!
Aatrix PayCheck, Payroll or Ultimate Payroll 1-800-426-0854

Time Saver Payroll Version 10
Full-featured payroll template program
Macintosh Plus or larger; Microsoft Excel; ImageWriter or LaserWriter.

Time Saver Payroll is a full-featured payroll template program that works with Microsoft Excel. The program is shipped with three separate payroll systems. One is for one to 30 employees, one is for one to 50 employees and one is for one to 100 employees. Major features include: Master Menu driven; employee file contains all employee information necessary to operate the system, including employee name, address, social security number, exemptions, marital status, salary, three hourly wage rates per employee and four fixed deductions; payroll file allows entry of hours, overtime hours, another optional hourly rate, commission/bonus income and tip wages; 11 deductions are available, including federal income tax, state income tax, local income tax, Social Security/Medicare deduction, four fixed deductions, 401K deduction and two "percentage of gross" deductions; five tax tables for federal and state income tax; prints ImageWriter or LaserWriter checks and pay stub information on computer checks available from Deluxe Computer Forms (ordering information included); quarterly and monthly reports; the 941 quarterly report allows entry of federal tax deposits, enabling the program to calculate "Undeposited Federal Tax Liability"; FUTA (940 form) report; and prints W2 form. Non-taxable "Cafeteria Plan" Deduction is now part of the program.
$99.50 retail
Western Software Associates; 110 El Dorado Rd.; Walnut Creek, CA 94595; 510-932-3999

Transoft Business Manager
Accounting, contact database, word processing, scheduling
Macintosh Plus or larger; 4 MB of RAM; hard disk drive.

Transoft Business Manager is designed to handle all of the administration and book keeping aspects of a business. It generates invoices, checks, customer charges, receipts, purchase orders and detailed information for contacts, customers and vendors. Features include: cash or accrual accounting; writes checks and reconciles accounts; integrated word processor prints letters, envelopes and mailing labels; calendar feature allows for scheduling of appointments, meetings, deadlines and more; keeps separate profit and loss statements for each project or subsidiary; print invoices and receipts; and handles multiple bank accounts. Some of the reports available include: Operating Reports (Accounts Receivable, Accounts Payable, Customer List, Contract Expirations, Activity Detail, Activity Summary, Contract Changes); Financial Reports (Balance Sheet, Trial Balance, Income Statement, Customer Statement, Vendor Statement); and Tax Statements.
$495 retail
Business Edge; 20250 Acacia St., Ste. 160; Santa Ana Heights, CA 92707; 800-386-3343 or 714-476-7551 (fax)

VS*3 JobSight Contractors Accounting System
Integrated Job Cost package
Macintosh Classic II or larger; 5 MB of RAM; System 6.0.5 or later.

VS*3 JobSight is an integrated Job Cost package for the small to medium contractor or subcontractor. It monitors everything from the initial estimated value of a job, down to the direct or indirect overhead expenses applied to the job. Multiple job classifications, five different billing formats, individual job reconciliation and profit analysis are available. One-time entry of data into JobSight allows for the automatic transfer of information to A/P, A/R, PR and G/L, producing monthly statements, balance sheets and custom reports. VS*3 Remote Turnkey Support provides experienced personnel that are able to assist in installing and bringing the system live. Through standardized telephone interviews and training, Vertical Solutions Management is able to help eliminate the trial and error procedures usually associated with new system use.
$1,995 retail
Vertical Solutions Management; 125 E. Timonium Rd.; Timonium, MD 21093; 410-561-4888 or 410-561-5763 (fax)

What's It Worth?
Tax depreciation and amortization program (multiuser)
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.

What's It Worth? calculates Book value, ACRS, MACRS, AMT, ACE, federal forms 4562/4626, ACE Worksheet, 6251 and amortization of intangibles. Pop-up menus make selecting a depreciation method easy. What's It Worth? will determine convention, HY or MQ, and then adjust depreciation methods to match. It automatically flags excessive section 179 entries. Individual asset depreciation history is kept by year and amount. Variable FY dates allow for monthly or to-date depreciation estimates, while Delete FY postings allows for what-if considerations. A location field provides tracking ability. Data may be imported from another MacSolutions product, What's Missing?, or other programs. Fifty-eight reports, including federal forms and supporting line item justification, provide useful information for decision making, general ledger entry or basis for tax preparation. What's It Worth? windows and documentation use large type for easier reading.
$495 retail
$25 retail; demo (deductible from purchase price)
MacSolutions, Inc.; 9124 N. McKenna; Portland, OR 97203; 503-289-7174

What's Missing?
Capital assets control program
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.

What's Missing? uses anodized aluminum bar-code labels to make it easy for small or large businesses to keep an eye on their assets. Labels are eye readable and may be used with or without a bar-code reader, making them useful with a few dozen or a few thousand items. What's Missing? can easily and accurately track every capital asset and tell where it was last found, by whom, on what date, at what time and in what condition. Assets may be assigned a permanent location to determine if they have been moved. The program will predict assets due for replacement and replacement value at any time period chosen. Reports can identify items that have been lost, stolen, sold, destroyed or retired. What's Missing? may be used in either an annual batch or continuous inventory mode. Data may be transferred to another MacSolutions software program, What's It Worth?, for calculating financial and tax depreciation.
$495 retail; includes 54 asset and six location high-security anodized aluminum bar-code labels (bar-code readers can be bundled on request)
$25 retail; demo (deductible from purchase price; free on AppleLink)
MacSolutions, Inc.; 9124 N. McKenna; Portland, OR 97203; 503-289-7174

WOS Activities Accounting
Helps schools keep track of Activity Funds
Macintosh Plus or larger; 2 MB of RAM (4 MB with System 7); System 6.0 or later.

WOS Activities Accounting is designed especially to help schools keep track of their Activity Funds (e.g., Athletics, Band, Clubs, etc.). WOS Activities Accounting will help schools keep track of these at the building and the district level. The system handles all functions of Activities Accounting, including printing POs and checks, plus 29 standard activity reports. The system has built-in Help windows and includes a Browse Function, allowing users to browse on lists of Activities, Vendors and History.
$395 retail
WOS Fund Accounting Inc.; 3310 Mesa Way, Ste. 101; Lawrence, KS 66049; 913-843-8150 or 913-843-5138 (fax)

WOS Fund Accounting
Multiuser fund accounting
Macintosh 512K or larger; hard disk drive.

WOS Fund Accounting is a multiuser fund accounting program for the AppleTalk network that allows multiple Macintoshes to share data simultaneously using AppleShare. Features include: automatic transfer of data from one module to another; multiple fiscal years can be open at once; integration with WOSbase multiuser database; and a browse function that eliminates constant referring to paper lists. Budgetary General Ledger budgets and accounts for revenues and expenditures in a virtually unlimited number of funds and features up to 26 user-defined dimensions, immediate access to balances and specific data reporting. Payroll offers a virtually unlimited number of pay, deduction, fringe categories and up to 15 tax and retirement types, and features user-defined pay cycle, "exception-oriented" design and 14-month reporting. The Purchase Order/Voucher module gives a user the ability to enter, edit and list purchase orders, vouchers, vendor information and checks. It also maintains data on encumbrances, payables and disbursements for multiple funds and expense accounts. The Accounts Receivable module tracks charges and payments. Statements can be printed with complete transaction detail. Payment plans are supported and an unlimited number of transaction codes are allowed, which can be automatically totaled and individually edited.
$1,695 retail; Budgetary General Ledger (BGL)
$2,695 retail; BGL/Accounts Receivable (AR)
$2,995 retail; BGL/Purchase Order-Voucher (PO)
$3,995 retail; BGL/Payroll (PR) or BGL/PO/AR
$4,995 retail; BGL/PR/PO or BGL/PR/AR
$5,995 retail; BGL/PO/PR/AR
WOS Fund Accounting Inc.; 3310 Mesa Way, Ste. 101; Lawrence, KS 66049; 913-843-8150 or 913-843-5138 (fax)

Business Graphics

Business Graphics Toolkit
Produces business charts from data and labels
Macintosh Plus or larger; True Basic Language Version 2.0 or higher.

The Business Graphics Toolkit produces business charts from data. The program selects the scale, chooses good-looking numbers for the axes and draws the chart. The Business Graphics Toolkit works in all the True Basic graphics modes. The program features bar charts, histograms, line charts, area charts, scatter plots, comparison tables, I-beam and high-low-close charts. Multiple data sets may be plotted on a graph, and overlaid graphs are available. In addition, 13 point styles, four line styles and full color support are provided. A manual and two dozen sample programs are included.
$79.95 retail
True BASIC, Inc.; 12 Commerce Ave.; West Lebanon, NH 03784; 800-436-2111

CA-Cricket Graph III
Business, scientific, educational graphics
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later.

CA-Cricket Graph III allows a user to create high-quality graphs and charts using business, scientific and engineering data. Features include: choice of 12 different graph types; support for importing data from spreadsheets, word processors and databases; easy direct entry and editing of data; full range of mathematical operations on data, including logarithmic, trigonometric and exponentiation functions; ability to plot 1,000 columns by 32,000 rows of data; full text editing capacity; regression curve fits, interpolation and error bars; full-page layout with editing tools; export to page layout, word processing and graphics programs; graphic macros for storing graph formats; full color support on color Macintosh systems; and integrates with System 7.0.
$129 retail
Computer Associates International, Inc.; One Computer Associates Plaza; Islandia, NY 11788; 516-342-5224 or 800-225-5224

Cheshire 2.0
Adds business charting power to major Macintosh applications
Any Macintosh; System 6.0 or later.

Cheshire is a utility that allows users to add charts to any Mac document, or save them as pictures. It includes five bar charts, nine column charts, four line charts, 12 pie charts and three surface charts, all with a professional and consistent design. Cheshire is System 6 or 7 compatible.
$125 retail

Hire a Payroll Expert!
Aatrix PayCheck, Payroll or Ultimate Payroll 1-800-426-0854

Abbott Systems, Inc.; 62 Mountain Rd.; Pleasantville, NY 10570; 914-747-4171, 800-552-9157 or 914-747-9115 (fax)

ClarisImpact
Business graphics processing
Macintosh Plus or larger; 2 MB of RAM (4 MB with System 7); hard disk drive; System 6.0.7 or later.

ClarisImpact tightly integrates the three-step process of creating, editing and communicating business graphics with reports and presentations for powerful business communications. ClarisImpact is an eight-in-one integrated solution that automatically creates organizational charts, flow charts, data charts and tables, outlines, calendars and timelines. Users simply select the corresponding Model, an icon that displays which type of graphic users want. Users input needed data and the chart is automatically created. The graphic is output-ready or can be edited directly in a report or presentation. Users have the flexibility to select from professionally-designed styles that ship with ClarisImpact or import, create and customize their own. Seamlessly integrated word processing and presentation environments provide an instinctive way to mix business graphics in text-based reports, electronic or film slides, overhead transparencies and handouts. With XTND technology, users can also import a variety of data types from popular word processing, spreadsheet, database and graphics applications. Graphics file formats supported include EPSF, TIFF, PICT or PICT2, CGM, MacDraw II, MacDraw Pro, MacPaint and QuickTime Movie. The Claris Graphics Engine (CGE) provides seamless cross-platform (Mac and Windows) transparency across applications and platforms. ClarisImpact is native for Power Macintosh.
$399 retail
Claris Corp.; 5201 Patrick Henry Dr.; PO Box 58168; Santa Clara, CA 95052; 408-727-8227 (customer relations), 800-735-7393 U.S upgrades) or 800-334-3535 (U.S. dealers)

EasyFlow Mac V1.1
Flowcharting package
Macintosh Plus or larger; System 6.0 or later.

EasyFlow is a powerful flowcharting program that features an intelligent line-routing engine. Features include: multilevel, hierarchical structure, unlimited chart size, automatic text justification, comprehensive online help and support for color output. A split-window display option allows users to see simultaneous close-up and wide-angle views as they work. Included are shape libraries for standard flowcharting, data flow diagrams and organization charts. Also available are alternate-shape libraries that equip EasyFlow for such tasks as fault-tree, state transition and logic description diagramming, documenting auditing processes and mapping local area networks. EasyFlow for the Macintosh is completely compatible with charts created by the DOS version of the program.
$229 U.S. retail
$270 Canadian retail
Haventree Software Ltd.; PO Box 470; Fineview, NY 13640; 613-544-6035 or 613-544-9632 (fax)

FlexiGraphs 1.1.3
Chart that fills in the numbers
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.

FlexiGraphs is a revolutionary program that uses the visual impact of graphics for creating numbers used in forecasts, projections or data simulations. It is a quick way to do what-if analyses for business and science. Users instantly create a line, bar or pie chart that can be manipulated with the mouse. As users make changes using a palette of tools, the numbers behind the graphs also change. Users can draw a forecast, such as a revenue projection, then copy and paste the numbers into a spreadsheet, statistics package or any Macintosh application. The program includes FlexiPie, FlexiBar, FlexiLine and FlexiSpread. The Copy and Paste commands in FlexiGraphs transfer all of the numbers and graphics affiliated with the graphs to or from the Macintosh Clipboard in a standard text or PICT format. Special features include an equation calculator, the capability to set constraints and dependencies, curve fitting and superimposition of pictures onto a graph for use in comparisons.
$149 retail
Tree Star, Inc.; 20 Winding Way; San Carlos, CA 94070; 415-508-9349, 800-366-6045 or 415-508-9186 (fax)

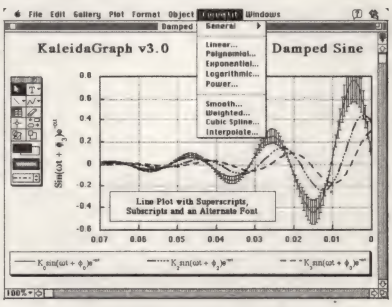
FlowChart Express
Creates flowcharts
Macintosh Plus or larger; System 6.0.7 or later.

FlowChart Express is a simple-to-use tool designed specifically for creating great-looking flowcharts. Its many features include: standard ANSI flowcharting symbols; color and pattern support; 8-page by 8-page drawings; standard size or click-and-drag symbol creation; dashed and hair lines; 32,000-character notecards for supporting text; up to 20 files open simultaneously; and text that remains centered as a user types. Users can connect symbols on their drawing with just two mouse clicks. FlowChart Express gives users 12 different ways to connect symbols, plus a manual mode that allows users to create custom line connections. Connecting lines will automatically reconnect whenever a symbol is moved or resized.
$149 retail
Kaetron Software Corp.; 25211 Grogans Mill Rd., Ste. 260; The Woodlands, TX 77380; 713-298-1500, 800-938-8900 (sales) or 713-298-2520 (fax)

Foundation Graphics Toolbox
Macintosh graphics in Tandem computer applications
Macintosh Plus or larger; Mac Menlo or CTAccess; any Tandem mainframe model.

Foundation Graphics Toolbox provides for the direct integration of graphics, images and multimedia into existing or new data and/or text applications. Transactions may be conveniently and easily enhanced with images that can be simultaneously included with online transaction displays. The Graphics Toolbox uses standard Tandem database technology and standard Macintosh graphics and presentation technology. The powerful Graphics Toolbox/application interface completely protects investments in existing application systems. Menlo's Mac Menlo or CTAccess communications software provides the link between the Tandem computer and Macintosh workstation.
Call for pricing
Menlo Business Systems, Inc.; 201 Main St.; Los Altos, CA 94022; 415-948-7920 or 415-949-6655 (fax)

KaleidaGraph 3.0
Data analysis and graphing application
Macintosh Plus or larger.



KaleidaGraph is a graphing tool that provides powerful visual displays of quantitative information. This comprehensive analytical solution can be used to develop accurate journal-quality graphs that mathematically transform even the most complex data into elegant but functional graphical displays. Sixteen graph structures are provided for plotting up to 20 variables with precise, yet flexible control of statistical functions and data display elements. Data entry is made through screen editing and flexible file processing. Users can use Formula Entry or the programmable calculator to manipulate large amounts of data (32,000 points per column). New features in Version 3.0 include: import Excel files directly; perform multilevel sorts on data; and display date or time data in one of 12 different formats. KaleidaGraph provides 64 colors on an editable palette, user-selectable error bars with independent upper and lower types (percent of value, standard error, standard deviation, data column and fixed value) and complete object control. Users may store up to 16 user-defined curve fits for use on a single plot and extrapolate curve fits to the axis limits. Plot types include: line, scatter, double Y, high/low, probability, X-Y probability, stack histogram box, percentile, horizontal bar, stack bar, column, stack column, polar, pie, text and template.
$249 retail
Synergy Software; 2457 Perkiomen Ave.; Reading, PA 19606; 610-779-0522 or 610-370-0548 (fax)

Org Plus For Macintosh
Makes professional organization charts
Macintosh Plus or larger; 1 MB of RAM; two 800K disk drives or hard disk drive; System 4.1 or later.

Org Plus For Macintosh creates perfectly-proportioned, professional-looking organization charts quickly and easily. Users type names, titles and other text into each box. Org Plus automatically adjusts the boxes to fit a user's text. Users can add, delete or move boxes or entire departments, and Org Plus does all the redrawing. Users can choose from more than 50 different chart, box and line styles. Org Plus applies a user's choice to the entire chart or any set of boxes selected. Org Plus will also make a user's chart as compact as possible using the Make Fit command. Users simply tell Org Plus how many pages they want the chart to fit on, and the program does the rest. Org Plus For Macintosh also interfaces with Org Plus Advanced, its PC version.
$195 retail
Banner Blue Software Inc.; 39500 Stevenson Blvd.; Fremont, CA 94539; 510-794-6850 or 510-794-9152 (fax)

OrgChart Express
For organization charts and personnel data management
Macintosh Plus or larger; 1.5 MB of RAM; hard disk drive recommended; System 6.0.7 or later.

OrgChart Express is an easy-to-use organizational charting program with built-in data management. With OrgChart Express, users will produce concise, impressive organization charts while simultaneously managing employees' personal and job-related data. Moving employees to new positions is as easy as click and drag, leaving job information intact. Users can assign multiple positions to the same person to accommodate special projects. Search and sort functions provide access to all chart data. Users can import and export text with other applications to produce mailing or phone lists; create one chart or separate charts for each department or division, all within one document; and move tiles around freely, then snap them back into place using an optional "Clean-up" command. A mouse click will show or hide lower branches of large charts. OrgChart Express features user-definable box and line styles, color and gray-scale support and password protection.
$199 retail
Kaetron Software Corp.; 25211 Grogans Mill Rd., Ste. 260; The Woodlands, TX 77380; 713-298-1500, 800-938-8900 (sales) or 713-298-2520 (fax)

QuickPie 2.1
Pie chart desk accessory and application pair that support a wide selection of pies, including clip art graphics
Macintosh 512KE or larger.

QuickPie is a desk accessory and application pair that provide specialized pie charting functions. Both programs have identical functionality, can save to disk and share files. Pie charts can be created in a wide variety of styles. Clip art graphics, either color or black and white, may be incorporated into the face of the pies. A collection of clip art images are supplied with the program, such as a color pizza and copper penny. Other features include three-dimensional options with variable angle, shadow height and pie thickness. The program allows complete control over just about every aspect of the pie, so the data is presented in a way that best suits a user's needs. Users can generate pie charts with minimal effort and without sacrificing quality.
$55 retail
BugByte Inc.; 3650 SilverSide Rd.; Wilmington, DE 19810; 302-994-1502 or 800-284-9220

Relational Objex
Relational drawing
Macintosh 512K or larger.

Much like a spreadsheet interrelates numbers, Relational Objex lets users "link" objects in a drawing to other objects. When the controlling objects are

resized or repositioned, the linked objects resize and reposition themselves automatically. Because Relational Objex lets users relate objects in a drawing to one another, updating is easy. It also lets users make "what if" changes, seeing the results right on a drawing. The relationships between objects can be as simple or as complex as desired. It is not necessary to enter relationships at all, making the program work like any other drawing program. However, when objects do need to be related, the program lets users link them intuitively and visually. Relational Objex can import and export color PICTs. It is MultiFinder friendly, works with multiple monitors and opens as many windows as memory allows. Relational Objex's calculation capability includes more than 30 built-in operations and functions.
$240 retail
SoftStream International, Inc.; 106 State Rd.; N. Dartmouth, MA 02747; 508-991-4011, 800-262-6610 or 508-991-4223 (fax)

SuperGraph And SuperAnalyst
Create publication-quality graphs and charts
Macintosh Plus or larger.

SuperGraph and SuperAnalyst provide a powerful set of plotting capabilities for the creation of a wide range of publication-quality graphs and charts. SuperAnalyst also includes a complete set of function and data analysis features. These applications implement the complete Macintosh user interface, and both are intuitive and easy to use. They provide users with complete control of the appearance of a plot, using the mouse, floating palettes and dialogs to adjust every characteristic and setting of the plot. SuperGraph and SuperAnalyst allow for smoothing, sorting, filtering and modifying of data, error bars and graphical editing of plotted points. Both applications provide for mathematical manipulation of data, input and output of multiple file formats, function generation, tools for customizing plots, 16 plot types and overlaying of multiple plots. The number of points that can be plotted or analyzed is limited only by the memory of the computer being used.

SuperAnalyst provides additional features for a wide range of analysis capabilities, including data and function integration, curve fits, first and second derivatives of data and functions, fast Fourier transforms for any number of points, real and complex roots of equations, cubic splines, interpolation and more.
$149 retail; SuperGraph
$249 retail; SuperAnalyst
SuperSoft; 498 E. Robin Rd.; Orem, UT 84057; 801-225-4356 or 801-226-6276 (fax)

TopDown Flowcharter 4.0
Hierarchical design software
Macintosh Plus or larger; hard disk drive recommended; System 6.0.7 or later.

TopDown is the only cross-platform drawing tool made especially for creating charts and diagrams. Some of its uses include flowcharts, organization charts, operating procedures, data flow diagrams, training materials, project designs and system documentation. TopDown allows Macintosh users to share files created in TopDown for Windows, and create their designs in general terms, then show or hide the details of each component. Key features include ANSI and custom symbols, full control over line placement, auto line rerouting, text import, text binding to connecting lines, standard and variable size symbols. Other features include full pattern support, color support, dashed hair and curved lines, 24 Node Connectors for engineering drawings, text search, extensive online help and the capability to create a Notecard for each symbol. TopDown provides header/footer capabilities, auto page numbering and supports Publish and Subscribe. The easy-to-use interface will be familiar to everyone who has used Macintosh drawing programs. TopDown works like a stack of drawings. Symbols on each drawing can be further detailed on a lower-level drawing. Symbols can be connected with lines to show process or information flow. There are 12 paths to choose from. TopDown even lets users connect symbols that reside on different drawings by attaching an OffPage Connector to each symbol. TopDown can generate an outline, a list of symbol interconnections and a list of data inconsistencies. These reports can be exported as text files.
$345 suggested retail
Kaetron Software Corp.; 25211 Grogans Mill Rd., Ste. 260; The Woodlands, TX 77380; 713-298-1500, 800-938-8900 (sales) or 713-298-2520 (fax)

Creative/Animation

ADDmotion II
Animation program
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; HyperCard 2.1; System 6.05 or later.

ADDmotion II is a 24-bit color paint, animation and sound extension (XCMD) that integrates seamlessly into HyperCard 2.1, providing a comprehensive Color Paint environment, a Media Controller for the sequencing of animations and a Sound Recording/Editing environment. Color Paint allows for the easy creation of actors and props and contains specialized features, such as onion-skinning (to align and trace a previous actor's cel) and anti-aliasing. Paint graphics can be imported as PICT, MacPaint, PICS and Scrapbook files, with support for 24-bit color. The Media Controller allows for direct manipulation of foreground and background objects, over a series of frames, for the creation of animation on any card within a HyperCard stack. Multiple sounds can be added using ADDmotion's built-in record feature, and can then be manipulated using the Sound Editor. ADDmotion provides a very high degree of interactivity with HyperTalk, and animations within a HyperCard stack can be distributed royalty free using ADDmotion's runtime animation XCMD. The program supports QuickTime and many other System 7 features.
$149.95 U.S. retail
Motion Works International, Inc.; 1020 Mainland St., Ste. 130; Vancouver, BC, Canada V6B 2T4; 604-685-9975 or 604-685-6105 (fax)

■ **AfterImage 1.0**
Animation tool
Macintosh II or larger; CD-ROM drive.

AfterImage is a layering, composing and animation tool. Novice multimedia designers and communications professionals can use AfterImage to create QuickTime animations, time-varying effects, CD-ROM productions, desktop presentations and initial corporate video productions.
$595 retail
CoSA, a division of Aldus Corp.; 411 1st Ave. S; Seattle, WA 98104; 206-928-4526 or 206-233-7375 (fax)

The Animation Stand
Desktop animation production system
Macintosh or PowerPC family.

The Animation Stand is a complete broadcast and film quality desktop animation production system. Whether users are planning to create a full animation feature or add animation effects to a business presentation, The Animation Stand offers all the sophisticated tools and special effects of high-end animation systems at a price affordable to even smaller animation houses and independent animators. The Animation Stand features multiplane camera control with trucks, pans, zooms, rotation, squash and stretch, virtual camera control, slow-in/slow-out and motion 'tweens, an optical and special effects system with mattes, faders and gels, a top-notch inking and painting suite and complete transport control to film, tape and video disk. Other features include an unlimited number of frames, layers, mattes and gels, directional wipes, real fades and dissolves, anti-aliasing, real-time playback from memory at up to 60 FPS, SMPTE control and production cost reporting. Full QuickTime and drag and drop support is included.
$3,000 retail; Macintosh
$5,000 retail; PowerPC
Linker Systems, Inc.; 13612 Onkayha Cir.; Irvine, CA 92720; 714-552-1904 or 714-552-6985 (fax)

Animation Works
Animation program
Macintosh Plus or larger; 1 MB of RAM (2 MB for color).

Animation Works gives users the ability to easily create high-impact, moving business presentations, training, education, video graphics and titling. It lets users combine and sequence moving text, graphics and true cel animation with sound and professional wipes. Powerful paint tools, onion-skin, auto-rotate and auto-zoom are just a few of the features that make it easy to create dynamic backgrounds and "actors" (animated text and graphics). A VCR-style interface and path-based animation makes it as simple as pushing buttons and drawing lines to build effective presentations of all kinds. Features include: supports PICT, PICS and Scrapbook file formats, plus SND or MacRecorder sounds; System 7 TrueType and ATM support for high-quality bouncing, scrolling, rotating or zooming titles; and special effects, such as animated mattes, professional wipes, gradient fills and gravity simulation.
$199.95 retail
Gold Disk; 3350 Scott Blvd., Bldg. 14; Santa Clara, CA 95054; 408-982-0200, 800-465-3375 or 408-982-0298 (fax)

ArchiMovie
Animation software
Macintosh II; 4 MB of RAM recommended.

ArchiMovie serves as an exciting complement to Architron, UNIC's professional integrated CAD software. It works in the background under MultiFinder, collecting screens from Architron and other programs to build animations. ArchiMovie does not create graphics or text. It allows users to capture a series of images produced in other applications, and to play this series back in a variety of modes. The films can be with or without sound, and in color, as well as black and white. ArchiMovie is easy to use and consumes a miniscule amount of memory. A film can be larger than the RAM available, and as big as the capacity of the storage medium.
$449 retail
UNIC, Inc.; 1330 Beacon St., Ste. 320; Brookline, MA 02146; 617-731-1766

Auto-PICT QT 2.0
V-LAN-compatible animation software
Macintosh II or Quadra family.

Auto-PICT QT is an animation application that allows users to put PICS, PICT and QuickTime movies out to videotape or videodisc frame accurately. It also allows users to digitize frames of video to save as PICT, PICS or QuickTime movie files. Auto-PICT QT works with any Macintosh II or larger computer, any video card (NTSC/PAL output) or scan converter and a V-LAN-compatible controller, such as the Alix desktop module. Version 2.0 supports VDIG capture (card must support "single" live video frame and have a QuickTime VDIG component) and Adobe Premiere time code resource. This new version retrieves and stores Auto-PICT QT record/capture lists and allows users to preview the pictures and movies before adding them to the list. Auto-PICT QT also controls players and recorders for overlay recording (keying) using the Truevision NuVista+ card. Auto-PICT QT works with all major Macintosh three-dimensional graphics and animation software, including Swivel 3D, Macromedia Director, Infini-D, Strata 3D, Sculpt 3D, DynaPerspective, The Animation Stand, MacTopas and Adobe Premiere.
$395 retail
Videomedia, Inc.; 175 Lewis Rd., Unit 23; San Jose, CA 95111; 408-227-9977 or 408-227-6707 (fax)

Body Electric 3.5
Dynamic real-time animator
Macintosh with 68020 or larger processor; math coprocessor; 8 MB of RAM.

Body Electric, the dynamic real-time animator for VPL Virtual Reality systems, is now available by itself. BE is a 3-D motion control system and a powerful tool for linking Macintosh with external devices. BE records time-stamped event sequences, generated algorithmically or by example; processing on the fly and post-processing are both definable by the user. BE plays back and allows editing of these sequences offline. Scripting facilities can be used for automated image generation, database and spreadsheet interface or MIDI instruments. BE does not require a rendering card and provides the user with a diagrammatic representation of the objects in the VR world. The BE programming environment is made for various levels of users. Four levels of interaction and programming are offered, giving users a choice of interface for their applications ("box and arrows" style; scripting; user-

These Products Available Through Bottom Line Distribution
1-800-347-1923

programmable Symantec Think C functions; libraries and encapsulation).
$895 retail
VPL Research Inc.; 3977 E. Bayshore Rd.; Palo Alto, CA 94303; 415-988-2550 or 415-988-2557 (fax)

Cinemation
Creates interactive presentations
Macintosh Plus or larger; 1 MB of RAM for black and white (2 MB recommended); 2 MB of RAM for color (4 MB recommended).

Cinemation is for presenters, trainers and educators who want to make their presentations come alive without spending too much time learning how to do it. With Cinemation, users can create powerful, interactive presentations complete with professional-quality animation, clickable buttons, sound effects, music and video. Cinemation animation software automatically animates text from imported PowerPoint or Persuasion files. And Cinemation comes with animated presentation templates, clip animations, buttons, backgrounds, transitions, music and sounds. To create animations from scratch, Cinemation includes a full-color Paint and Animation program, with sophisticated capabilities that are easy to use. For example, Ghosting lets users view other frames through a transparent easel, and Fill In Motion gives realistic inertia to moving, zooming, spinning and cropping objects. Users can control their movies from within HyperCard and can distribute movies with the Cinemation Player.
$495 retail
Vividus Corp.; 378 Cambridge Ave., Ste. I; Palo Alto, CA 94306; 415-321-2221 or 415-321-2282 (fax)

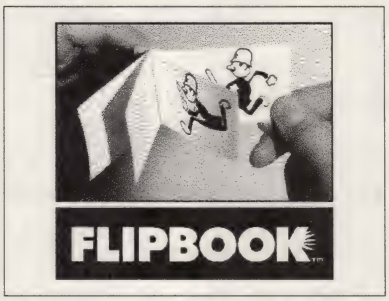
CinemationCD
Creates interactive presentations
Macintosh Plus or larger; 1 MB of RAM for black and white (2 MB recommended); 2 MB of RAM for color (4 MB recommended); CD-ROM drive.

CinemationCD offers users the most popular features of Cinemation — features such as "click and drag" animation and the ability to stretch motion for cropping, scaling, rotation and movement across the screen automatically. CinemationCD makes it easy for presenters, trainers and educators to create interactive presentations complete with professional-quality animation, sound and QuickTime video clips. CinemationCD also automatically animates presentations created in PowerPoint or Persuasion.
$245 retail
Vividus Corp.; 378 Cambridge Ave., Ste. I; Palo Alto, CA 94306; 415-321-2221 or 415-321-2282 (fax)

ElectricImage Animation System 2.0
Animation and rendering system
Macintosh II or Quadra family; FPU; 8 MB of RAM (32 MB recommended); hard disk drive.

The ElectricImage Animation System (EIAS) is a 3-D graphics system for computer graphics/animation professionals using high-end Macintosh/Silicon Graphics Inc. computers. EIAS is: ElectricImage — animation choreography interface integrating Transporter, the model converter utility and Mr. Font; Projector, for VTR control, image file conversion, digital compositing; and Camera, the rendering engine, works on Silicon Graphics IRIS/Indigo workstations. Electric Image's SGI Camera is sold separately. Customers render to SGI machines over Ethernet networks. EIAS imports, renders/animates objects from multiplatform modeling programs and includes sync sound animation. Sound frequency import ranges from 5 KHz to 64 KHz. EIAS plug-ins include: Mr. Nitro (blows models apart); Lens Flares (create lens flares at assigned light source); Particle Systems (control effects: fire, sparks, water, etc.); and Mesh Objects (create mesh objects, impart special motion to objects). Summation mapping, adaptive anti-aliasing and deformations (twist, taper, bend) are included.
$7,495 U.S. retail
Electric Image, Inc.; 117 E. Colorado Blvd., Ste. 300; Pasadena, CA 91105; 818-577-1627 or 818-577-2426 (fax)

FlipBook 1.0
Enables users to create old-time moving picture flipbooks
Macintosh Plus or larger; 2 MB of RAM; QuickTime 1.5; System 6.0.3 or later.



FlipBook enables amateur and professional movie makers to create old-time moving picture flipbooks. Importing QuickTime and PICS animation files, FlipBook prints flipbooks of home movies, cartoons, morphs and more. FlipBook users are provided with tools for formatting each movie frame as a series of printed flipcards using standard paper and any Apple-compatible printer. Scissor lines and card numbers are printed on each flipcard, and the size of both the flipbook and its binding are adjustable. The FlipBook package ships with 50 sheets of FlipPaper, a patent-pending, laser-printable paper with pre-perforated flipcards, enabling users to print, punch the cards and bind the flipbook — eliminating the need for scissors. FlipBook also ships with the FlipBook User Guide and a 150-page animation textbook.
$89 retail
S.H. Pierce & Co.; One Kendall Sq., Ste. 323, Bldg. 600; Cambridge, MA 02139; 617-338-2222 or 617-338-2223 (fax)

Frame By Frame
Graphic animation system
Macintosh II or larger.

Frame By Frame Graphic Animation Systems from IMS enable producers to capture VFW or QuickTime movies and computer graphics directly to or from Panasonic videodisc recorders (OMDRs) for instant playback of full-screen, full-resolution video. Rock-solid still frame recording and playback capability give the user the highest quality video input for computer capture boards and a trouble-free vehicle for handling output from (D1, D2, D3) digital video systems. There has never been an easier way to automate multimedia production or delivery. IMS gives users the generic device drivers to prepare, edit and refine still or motion video on any computer platform directly from multimedia programs, such as Director, Premier, Windows, Toaster Lightwave and the like.
Under $12,000 starting price retail; WORM videodisc recorders
Under $23,000 starting price retail; erasable videodisc systems
Image Management Systems, Inc.; 239 W. 15th St.; New York, NY 10011; 212-741-8765 or 212-243-2344 (fax)

Life Forms
Three-dimensional human figure animation software
Macintosh SE or larger; 4 MB of RAM; hard disk drive; System 6.0.5 or later.

Life Forms is three-dimensional human figure animation software that allows users to create realistic and accurate human movement sequences for use in multimedia productions. Using Life Forms, users can choreograph complex movements, such as dance, gymnastics and ice skating. Due to its accuracy, Life Forms can also be used as a visualization tool in medical therapy, human interface design and time-and-motion studies. Life Forms includes a Shape Library that contains common positions, such as sitting, standing, jumping and various sports and dance poses. These pre-defined sequences of motion can be modified in the Shape Palette and then inserted directly into a sequence. The Stage Window gives an overview of the motion of the figures and their relation to each other. An intuitive Time Line, where movement of multiple figures is synchronized, provides an overview of the entire animation at a glance. The Figure Editor is used to create and edit shapes and provides precise control for posing a figure in any given frame. Animations can be imported into Swivel 3D Professional and Three-D where they can be textured, shaded, rendered and animated. These files can then be imported into Macromedia Director, Magic or FilmMaker where synchronized sound and special effects can be added. Output can also be incorporated into HyperCard using XCMD software that is included in the package.
$495 retail
Macromedia; 600 Townsend St.; San Francisco, CA 94103; 415-252-2000 or 415-626-0554 (fax)

■ **LogoMotion 1.5**
Create 3-D movies
Any color Macintosh with FPU; 8 MB of RAM; System 7.0 or later; 12-inch or larger monitor.

Specular LogoMotion allows users to create dazzling 3-D QuickTime movies within minutes for a variety of multimedia and desktop video applications. With LogoMotion's alpha channel support, composing 3-D animations over video or stills is a breeze in programs like Adobe Premiere. Users can import any Adobe Illustrator or Aldus FreeHand EPS file, or instantly model 3-D text in any font; create objects using lathe and extrude workshops; and add surfaces like chrome, silver or gold, or make their own. LogoMotion's time-based sequencer then allows users to animate the text or objects in any way. Included are pre-designed "Stagehands," professional-looking camera moves, lighting effects, props and backdrops.
$149 retail
Specular International; 479 West St.; Amherst, MA 01002; 413-253-3100, 800-433-7732 or 413-253-0540 (fax)

MacAnimator Pro V-LAN
Performs high-speed recording of animation to videotape and high-speed capture from tape or disc using any V-LAN-compatible video device
Macintosh II or Quadra family.

MacAnimator Pro V-LAN performs high-speed recording of animation to videotape of disc and high-speed capture from tape or disc using any V-LAN-compatible video device. In both record and capture modes, the FastPass feature provides dramatically faster performance and reduces wear and tear by recording and capturing multiple frames during each pass of the tape. What used to take hours with sequential recording or capture of single frames can now be accomplished in minutes. For recording animation to video, MacAnimator Pro V-LAN works with any NTSC or PAL video output card for the Macintosh, at any resolution. With MacAnimator Pro V-LAN, users can capture video frames as either numbered PICTS, PICS files or QuickTime movies (including audio). In all cases, it supports QuickTime image compression. It also performs both interactive and automatic alpha channel rotoscoping and QuickTime move overlays. MacAnimator Pro V-LAN lets users open a background PICT file or QuickTime movie and perform alpha channel compositing of foreground PICTs or QuickTime movies. Despite its rich feature set and depth of capabilities, MacAnimator Pro V-LAN is easy to use. Its clean design and intuitive controls assure that users will be up and running within minutes.
$995 retail
Videomedia, Inc.; 175 Lewis Rd., Unit 23; San Jose, CA 95111; 408-227-9977 or 408-227-6707 (fax)

Macromedia Director 4.0
Professional multimedia authoring
Macintosh Plus or larger (Macintosh II recommended); 2 MB of RAM (4 MB recommended); hard disk drive; System 6.0.5 or later.

Macromedia Director is a powerful animation and authoring tool for creating high-quality, multimedia presentations, animations and interactive applications. Users can create, combine and synchronize graphics, text and animations with audio and video; add full interactivity with buttons and scripts; author, edit, playback, export and import QuickTime movies; and add interactivity to QuickTime movies with enhanced Lingo scripting. Version 3.1 adds new expanded Help, increased Score functionality and higher performance. Users can incorporate 3D models from Swivel 3D, animation from Macromedia Three-D, sounds from MacRecorder, as well as all standard Macintosh file formats. Macromedia Director includes Macintosh Player for license-free production distribution and Accelerator for smoother animation playback.

Director Players allow users to convert fully interactive Macromedia Director productions created on the Macintosh for playback under Microsoft Windows or Silicon Graphics IRIS workstations with complete interactive control of CD-Audio and digitized sound. They include a license-free distribution policy for projectors.
$1,195 retail; Macromedia Director
$995 each retail; Windows Player Version 1.2 or Macromedia Player for Silicon Graphics IRIS Workstations Version 1.0
Macromedia; 600 Townsend St.; San Francisco, CA 94103; 415-252-2000 or 415-626-0554 (fax)

PROmotion 1.0
Animation, presentation and QuickTime movie creator
Macintosh Plus or larger; 2 MB of RAM (4 MB for color); System 6.0.7 or later.

PROmotion provides all the necessary tools for novice or professional animators to create animations, presentations or QuickTime movies. It includes a path-based Animation Editor, 24-bit Color Paint and Animation Effects Editor, Sound Editor and Cel-Sequencer. Key product features include: intuitive user interface (animated help); path-based Animation and Cel-Sequencing; 24-bit Color Paint and Cel Editor; actor "onion-skinning" and "object tweening"; built-in sound recording and editing; import/export standard formats; exports to QuickTime movies, stand-alone players, PICS, After Dark modules or PROmotion files; and royalty-free distribution. Additional features include: print-to-video with full Sony VISCA support; extensive System 7 support; includes PrimeTime CD-ROM with Media Browser, actors, props, sound libraries, sample animations, QuickTime Extension and QuickTime movies; includes Principles of Animation Guide; and pop-up scripting eases creation of interactive animations.
$395 U.S. retail
Motion Works International, Inc.; 1020 Mainland St., Ste. 130; Vancouver, BC, Canada V6B 2T4; 604-685-9975 or 604-685-6105 (fax)

Scenery Animator
Scenery rendering and animation program
Macintosh II or larger, including Power PC; 4 MB of RAM; color monitor; System 6.0.7 or later.

Scenery Animator is a 3-D terrain rendering and animation program, capable of producing realistic scenes with trees, clouds, lakes and snow. It uses three-dimensional data to reconstruct real-world places, such as Yosemite, the Grand Canyon, Mt. St. Helens and Hawaii. Data is available for many other places. Scenery Animator also contains a powerful, built-in fractal landscape generator that can create billions of unique terrains. Users can position the "camera" anywhere within a landscape and view it from any perspective. Users can draw a flight path for animation and simulate a flight through the landscape. The colors, lighting and many other settings are adjustable. Pictures may be saved in PICT or TIFF format. Animations may be saved as QuickTime, PICS or numbered PICT files. It supports 8-, 16- and 24-bit color and includes QuickTime and MoviePlayer from Apple. A PowerPC native version is available for maximum rendering speed.
$149 retail
Natural Graphics; 4603 Slate Ct.; Rocklin, CA 95677; 916-624-1436 or 916-624-1406 (fax)

Sculpt 4D V4.0
Three-dimensional design, visualization and broadcast-quality animation software
Macintosh II, Performa, Centris, Quadra or PowerPC family; 16 MB of RAM; 80 MB hard disk drive; math coprocessor; 8/16/24/32-bit color display; System 7.0 or later.

Sculpt 4D's intuitive interface combines modeling, texturing, ray trace rendering and animation functions into one seamless environment. Without leaving the Sculpt modeling interface, users can precisely animate any vertex, object, target, location or lamp independently. Sculpt 4D enables users to choreograph broadcast-quality animated segments ranging from architectural walk-throughs and corporate flying logos to complex, organic character animation. Wireframe preview allows animators to quickly check all motion before committing to final photorealistic rendering. Sculpt's special 3-D shaders and ray trace rendering automatically take care of the otherwise laborious details of accurately animating reflection maps and casting shadows. Automatic support for single frame control to videotape is incorporated. Animations can also be compressed in 8- or 24-bit and played real time from the computer's RAM. Users can turn their Macintosh into a multimedia center. Sculpt 4D runs native on the PowerPC.
$3,995 retail
Byte by Byte Corp.; 8920 Business Park Dr., Ste. 330; Austin, TX 78759; 512-795-0150 or 512-795-0021 (fax)

Strata StudioPro
High-end 3-D animation application
Macintosh II family with FPU or Power Macintosh; 8 MB of RAM; hard disk drive; System 7.0 or later.

Strata StudioPro is an expert-level, 3-D animation program that offers users sophisticated tools not available on desktop systems. Strata StudioPro's 3-D splines, new rendering technology and a powerful Event-based Animation System give users "primo" tools in a completely integrated interface. Animation special effects is the focus of Strata StudioPro. It utilizes an open software architecture that allows plug-ins. Strata StudioPro comes with several exclusive special effects extensions. The program will write PICT, TIFF, PICS, QuickTime, DXF and EPS files. Image and animation files support alpha-channels, making photo and video compositing possible in other professional applications.
$1,295 retail
Strata Inc.; 2 W. Saint George Blvd., Ste. 2100; St. George, UT 84770; 801-628-5218, 800-869-6855 or 801-628-9756 (fax)

Three-D
Three-dimensional animation, rendering and image manipulation tool
Macintosh SE/30 or larger (Macintosh II recommended); 5 MB of RAM; hard disk drive; 32-bit QuickDraw; System 6.0.5 or later.

Three-D is a three-dimensional animation, rendering and image manipulation tool that lets users import documents created with three-dimensional modeling and CAD software and then add motion and shading to create photorealistic animations. Three-D consists of three separate modules that operate together: 3D Works, RenderWorks and ImageWorks. 3D Works is the animation module in which users can import 3-D models and easily and directly animate multiple objects, cameras and lights in 3-D space. RenderWorks is the visualization module in which color, texture maps, surface material, shading and lighting attributes set in 3D Works are applied to models and animations for realism and exciting visual effects. ImageWorks is the compositing and output module where a user can digitally composite 2-D and 3-D images and animations and output these as PICT or PICS files for inclusion in Macromedia Director or other programs or record directly to videotape.
$695 retail
Macromedia; 600 Townsend St.; San Francisco, CA 94103; 415-252-2000 or 415-626-0554 (fax)

Creative/Clip Art & Photography

Ad/Art/Plus
Clip art
Any Macintosh; ImageWriter or LaserWriter; MacDraw or PICT.
$49.95 each retail
Freemyers Design; 575 Nelson Ave.; Oroville, CA 95965; 916-533-9365

AdArt
EPS graphics
Macintosh Plus or larger; program that accepts EPS files; PostScript printer.
$39 each retail; Animal Silhouettes, Astrology, Credit Card Collection
$49 each retail; Fraternal Symbols, Medical Symbols, Recycled Art, Weddings, Women
$99 each retail; International Symbols 1-2, Logos & Trademarks 1-2, Flags of the World, Safety & Packaging Collection, Cars & Light Trucks, Transportation, Business Symbols Collection, Patriotic Art, Real Estate Art, Mascots
$159 each retail; Accents & Attention Getters, The Vinyl Cutters Collection
$299 each retail; Logos & Trademarks 1-2 Vinyl Edition
$599 each retail; Logos & Trademarks CD-ROM (over 1,200 EPS images), Vinyl Cutting Series CD-ROM (over 1,500 images)
$999 retail; Clip Art for Advertising CD-ROM (entire AdArt Series, more than 7,000 images)
Innovation Advertising & Design; 41 Mansfield Ave.; Essex Junction, VT 05452; 802-879-1164, 800-255-0562 (orders) or 802-878-1768 (fax)

Adobe Collector's Edition
Modifiable art collection
Macintosh Plus or larger; PostScript printer.
$125 retail; Collector's Edition I
$225 retail; Collector's Edition II
Adobe Systems, Inc.; 1585 Charleston Rd.; PO Box 7900; Mountain View, CA 94039; 415-961-4400, 800-833-6687 or 415-961-3769 (fax)

Aerospace EPS Illustrations
Clip art
Macintosh Plus or larger; System 6.0.3/Finder or MultiFinder 6.0.1 or later.
$125 per set retail
Gemstone Systems; 19616 Redbeam Ave.; Torrance, CA 90503; 310-370-4557

Airbrush Portfolio CD-ROM
Airbrush artworks on CD-ROM
Macintosh II or larger; 4 MB of RAM; hard disk drive; Kodak Photo CD Access software; CD-ROM drive.
$99 retail
Ocean Graphics; 420 Noriega St.; San Francisco, CA 94122; 415-664-5566 or 415-564-2018 (fax)

America Remembered
Stock photo archive
Macintosh LC or larger; 13-inch or larger color monitor; System 6.0.7 or later; CD-ROM drive.
$69.95 retail
Boraventures Publishing; 35 Wooster St., Ste. 4F; New York, NY 10013; 212-219-9111 or 212-219-0829 (fax)

AMUG Photo CD Series
100 Photo CD images per CD-ROM
Macintosh II or larger; 6 MB of RAM; System 6.0.5 or later; CD-ROM drive.
$42 each retail
AMUG; 4131 N. 24th St., #A-120; Phoenix, AZ 85016; 602-553-8966 or 602-553-8771 (fax)

Antique Toys
Historical images that bring the world of antique toys to life
Macintosh LC or larger; CD-ROM drive.
$29.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Aquatic Art CD
Clip art
Macintosh SE/30, LC or II; 2 MB of RAM; color monitor; 24-bit color video card; 32-bit QuickDraw; CD-ROM drive.
$49.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

ArmyArt; NavyArt; AirArt
Clip art of military subjects
Macintosh 512K or larger; any program that accepts MacPaint files.
$89.95 each retail
Storm King Technology; 1907 Sutton Pl.; Harker Heights, TX 76543; 817-698-2566

ARROglyphs
Color and black and white images
Macintosh Plus or larger; 1.4 MB floppy drive; hard disk drive; EPS, TIF or bit-mapped PICT format-compatible applications; PostScript printer recommended for EPS images.

These Products Available Through Bottom Line Distribution
1-800-347-1923

$149 retail; Environment Vol. 1
$69 each retail; Energy!, Wildlife, Wildlife-Accents, Living Planet, Pollution, Recycling
ARRO International; PO Box 167; Montclair, NJ 07042; 201-746-9620 or 201-509-0728 (fax)

Art & TypeVendor CD-ROM 3.0
Clip art and PostScript fonts
Macintosh Plus or larger; CD-ROM player.
$99 retail
Image Club Graphics; 729 24th Ave. SE; Calgary, Alberta, Canada T2G 1P5; 403-262-8008, 800-661-9410 (orders & free catalog) or 403-261-7013 (fax)

Art EPS
Clip art
Any Macintosh; MacDraw, Adobe Illustrator or page-layout program that accepts PostScript format.
$50 each retail; Architectural Graphic, Borders, Business and Finance, Designs, Cartoon Designer, Cartoon Critters, Holiday Christmas, Industry, Restaurant and Foods, Symbols, Trees, Patterns
Freemyers Design; 575 Nelson Ave.; Oroville, CA 95965; 916-533-9365

Art Madness
Images, photos, QuickTime movies
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive.
$79 retail
AMUG; 4131 N. 24th St., #A-120; Phoenix, AZ 85016; 602-553-8966 or 602-553-8771 (fax)

Art Noveau Images
High-quality EPS art
Macintosh Plus or larger; 1 MB of RAM; EPSF-compatible software.
$79.95 retail
Silicon Designs; PO Box 2234; Orinda, CA 94563; 510-254-1460 or 510-254-1863 (fax)

ArtBeats
Clip art
Macintosh Plus or larger; 4 MB of RAM; hard disk drive.
$99.95 each retail
$289 retail; Backgrounds for Multimedia
$499 retail; Full Page Images CD-ROM
$349 retail; Marble & Granite CD-ROM
$99.95 retail; Marble & Granite Laser Printer
ArtBeats; PO Box 1287; Myrtle Creek, OR 97457; 503-863-4429, 800-444-9392 or 503-863-4547 (fax)

ArtClips 2.0
EPS clip art and symbols
Macintosh Plus or larger.
$149 retail
Olduvai Corp.; 9200 S. Dadeland Blvd., Ste. 725; Miami, FL 33156; 305-670-1112, 800-548-5151 or 305-670-1992 (fax)

Aviation Photo Disc
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$29.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

The Best Of Photography
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Metatec Corp./Nautilus; 7001 Discovery Blvd.; Dublin, OH 43017; 614-766-3182, 800-637-3472 or 614-761-4110 (fax)

BodyShots: Business
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Children ClipArt Volume 1
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$39.95 retail
MacPDS; PO Box 85097; Seattle, WA 98105; 206-524-2828 or 206-524-1616 (fax)

Chinese Clip Art
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Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

Click & Clip Illustrations
Clip art
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$395 retail; Click & Clip 500
$395 retail; Click & Clip 500 II
$10 retail; Click & Clip Sample
$49 to $149 retail; each collection
$49.95 (to select first 25 images) and $2 per image after; Clip Art Gallery
$69 retail; Christmas Deluxe 5.9
Studio Advertising Art; PO Box 43912; Las Vegas, NV 89116; 702-641-7041 or 702-641-7001 (fax)

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More than 100 TIFF files
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$99 retail; includes both 8- and 24-bit versions
Pacific CD; PO Box 31328; Honolulu, HI 96820; 808-949-4594 (phone/fax)

MaxImages
Color photographs, elements, textures, backgrounds, patterns and more
Macintosh LC or larger; CD-ROM drive.
$189.95 each retail; World Scenery Disk, Backgrounds and Elements
$99.95 retail; Leaves and Things
TechScan; PO Box 895; Port Hueneme, CA 93044; 805-985-4370 or 805-985-7221 (fax)

McPic!; McPic! Volume 2
Drawings; illustrations with hint manual
Any Macintosh.
$49.95 each retail
Magnum Software; 21115 Devonshire St., Ste. 337; Chatsworth, CA 91311; 818-701-5051 or 818-701-5459 (fax)

MediaRights Series: America
Royalty-free, professional-quality photographic images
Macintosh SE/30 or larger; 4 MB of RAM; 2 MB of free hard disk space; System 7.0 or later; CD-ROM drive.
$39.95 retail
Sense Interactive Corp.; 1412 W. Alabama; Houston, TX 77006; 713-523-5757, 800-757-3673 or 713-523-3057 (fax)

MediaRights Series: Earth Air Fire Water
Royalty-free, professional-quality photographic images
Macintosh SE/30 or larger; 4 MB of RAM; 2 MB of free hard disk space; System 7.0 or later; CD-ROM drive.
$49.95 retail
Sense Interactive Corp.; 1412 W. Alabama; Houston, TX 77006; 713-523-5757, 800-757-3673 or 713-523-3057 (fax)

Metro ImageBase Electronic Clip Art
High-resolution artwork
Macintosh 512KE or larger configured for desktop publishing; hard disk drive recommended; laser printer; page layout, presentation, word processing or paint program.
$74.95 per volume retail
$39.95 each retail; ImageBasics or HolidayBasics
$149.95 retail; Metro ImageBase on CD-ROM
Metro ImageBase, Inc.; 18623 Ventura Blvd., Ste. 210; Tarzana, CA 91356; 818-881-1997, 800-525-1552 or 818-881-4557 (fax)

Military Art
Military clip art
Macintosh Plus or larger.
$49.95 per volume retail; a free brochure is available
NOVA Cube, Inc.; 1900 Superfine Ln.; Wilmington, DE 19802; 302-655-4486, 800-728-5052 or 302-655-2913 (fax)

MilitaryArt/EPS And FlagArt/EPS
Clip art
Any Macintosh; any program that can manipulate or import PostScript files.
$125 each retail
Storm King Technology; 1907 Sutton Pl.; Harker Heights, TX 76543; 817-698-2566

Nature & Scenic Backgrounds
24-bit color photos
Macintosh II or later; 8 MB of RAM; hard disk drive; 8- or 24-bit color; virtual memory or System 7; photo manipulation software; CD-ROM drive.
$249 per volume retail
Photos On Disc; 7070 Fisherman Ln.; Pilot Hill, CA 95664; 916-933-1260 or 916-933-5554 (fax)

Nature & Scenic Backgrounds For Multimedia
24-bit color photos for multimedia
Macintosh II or later; 6 MB of RAM; hard disk drive; 8- or 24-bit color; virtual memory or System 7; photo manipulation software; CD-ROM drive.
$249 retail
Photos On Disc; 7070 Fisherman Ln.; Pilot Hill, CA 95664; 916-933-1260 or 916-933-5554 (fax)

Nature's Way
Nature images
Macintosh Plus or larger; CD-ROM drive.
$59.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

NetDraw
Clip art for networking, systems and computer/communications professionals
Macintosh Plus or larger; 800K disk drive; hard disk drive recommended.
$129.95 retail
Network World, Inc.; 161 Worcester Rd.; Framingham, MA 01701; 508-875-6400, 800-643-4668 or 508-820-1283 (fax)

Ocean Imagery
Scanned photographs
Macintosh SE/30, LC or II; 2 MB of RAM; color monitor; 24-bit color video card; 32-bit QuickDraw; CD-ROM drive.
$39.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Ocean In Motion
QuickTime movie clips of scenes of the Pacific coast environment
Macintosh Plus or larger; 2 MB of RAM (4 MB with System 7); hard disk drive; QuickTime; System 6.0.7 or later; CD-ROM drive.
$99 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

Ocean Magic
Photographs of the ocean world
Macintosh Plus or larger; CD-ROM drive.
$39.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Oswego Illustrated Archives
Computer-rendered illustrations
Macintosh II or larger; 4 MB of RAM; 2 MB of free hard disk space; System 6.0.5 or later; CD-ROM drive.
$129.95 retail
The Oswego Co.; 610 SW Alder St., Ste. 609; Portland, OR 97205; 503-274-9338, 800-275-1989 or 503-274-9326 (fax)

Pacific 3CD Volume 1 And Volume 2
Travel to the exotic Hawaiian Islands
Macintosh II; 2 MB of RAM; CD-ROM drive.
$99 each retail; include Adobe Photoshop 2.5 Try-Out software and QuickTime
Pacific CD; PO Box 31328; Honolulu, HI 96820; 808-949-4594 (phone/fax)

Panoramix CD Vol. 1
Professional photography library
Macintosh Plus or larger; 1 MB of RAM; desktop publishing, graphics or photo-retouching software; CD-ROM drive.
$129.95 retail; developer/vendor discounts available
Ergonomic Software Products, Inc.; PO Box 3924; Richmond, VA 23235; 804-272-4431

Panoramix CD Vol. 2
Professional photography library
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive.
$189.95 retail
Ergonomic Software Products, Inc.; PO Box 3924; Richmond, VA 23235; 804-272-4431

Paris & Paris Ambience
Professional photos
Macintosh Plus or larger; CD-ROM drive.
$286 retail; Paris
$60 retail; Paris Ambience
$306 retail; Paris and Paris Ambience Bundle
CDR Informatique; BP32; Limours 91470, France; (33) (1) 64-91-26-76 or (33) (1) 64-91-47-69 (fax)

■ **Peeping ROM**
Stock photography
Macintosh SE/30, LC, II, Quadra or Power Macintosh; 4 MB of RAM; 40 MB hard disk drive; 8/24-bit monitor; CD-ROM drive.
Peeping ROM is an electronic image catalog packed with 928 images that reproduce beautifully on anything from laser printers to a magazine layout. A versatile image collection, there are dozens of themes in six major categories: Abstracts; Clouds and Skies; Fabric; Granite and Marble; Nature; and Nostalgia and Travel. Included is the image editing program Color It! for easy conversion to black and white, duotone, TIFF, EPS, RGB or CMYK. The on-screen documentation and an image browser, Multi-Ad Search 2.0 Run Time, make selecting a photo a breeze. There are no royalties or hidden charges for using any of the images on the disc.
$129.95 retail
D'pix, Inc.; 929 Harrison Ave., Ste. 205; Columbus, OH 43215; 614-299-7192, 800-238-3749 or 614-294-0002 (fax)

People In Business; People At Leisure
Scanned photos
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later; CD-ROM drive.
$79.95 each retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

People Of The World
People pictures
Macintosh Plus or larger; CD-ROM drive.
$79.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Photo Pro
High-quality images
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive.
$49 per volume retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

PhotoDisc
Digital photographs
Macintosh II family; 5 MB of RAM (with an Adobe Photoshop plug-in compatible application, otherwise 20 MB); hard disk drive; color monitor preferred (will run in 8-bit gray scale on black and white monitor); System 6.0.5 or later; CD-ROM drive.
$199 retail: ClipPix
$299 per volume retail; multiple discounts available
$69 retail; PhotoDisc Sampler Disc
PhotoDisc, Inc.; 2013 4th Ave.; Seattle, WA 98121; 206-441-9355, 800-528-3472 or 206-441-9379 (fax)

PhotoGear
Photographs
Macintosh IIci or larger; 20 MB of RAM; 100 MB of free hard disk space; 24-bit color monitor; System 7.0 or later.
$59 retail
Image Club Graphics; 729 24th Ave. SE; Calgary, Alberta, Canada T2G 1P5; 403-262-8008, 800-661-9410 (orders & free catalog) or 403-261-7013 (fax)

Photographic Compact Disc
Ultra-high resolution images on Photographic compact disc
Macintosh LC or larger; System 6.0.5 or later; Photo CD-capable CD-ROM with Kodak Photo CD Access software.
$599 retail
Digital Zone Inc.; PO Box 5562; Bellevue, WA 98006; 206-623-3456 or 206-454-3922 (fax)

PhotoPro Vol. 3: FotoBank
More than 500 MB of color photographs
Macintosh Plus or larger; 1 MB of RAM; CD-ROM player.
$49 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

■ **PhotoSphere**
Stock images on CD-ROM
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
PhotoSphere images are created for advertising, graphic design and multimedia professional. PhotoSphere collections include: People & Lifestyles; Maps & Globes; Business & Commerce; Industry & Manufacturing; and Backgrounds & Textures. PhotoSphere images are Kodak Photo CD scans at 2,048 by 3,072 ppi and are model released and royalty free. Each 100 image collection features groups of similar images in both vertical and horizontal formats from various angles and with a variety of expressions.
$250 retail
PhotoSphere Software; 250 H St., Ste. 413; Dept. 8110; Blaine, WA 98230; 800-665-1496 or 800-757-5558 (fax)

PrimeTime I
Multimedia clip art library
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive.
$99.95 U.S. retail; included in PROmotion at no extra charge
Motion Works International, Inc.; 1020 Mainland St., Ste. 130; Vancouver, BC, Canada V6B 2T4; 604-685-9975 or 604-685-6105 (fax)

ProArt Professional Art Library
Clip art
Macintosh Plus or larger; hard disk drive recommended; PostScript laser printer.
$64 per collection (100 images) retail; floppy disk
$133 per Trilogy (300 images) retail; CD-ROM
$400 retail; Portfolio CD (3,000 images)
Multi-Ad Services, Inc.; 1720 W. Detweiller Dr.; Peoria, IL 61615; 309-692-1530, 800-447-1950 or 309-692-5444 (fax)

Professional Photo Collection
Diverse variety of images
Any color-capable Macintosh; 5 MB of RAM; 32-bit QuickDraw; 24-bit color video; CD-ROM drive.
$59.95 retail; medium resolution
$69.95 retail; Kodak Photo CD
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Provektor Classic
Postscript clip art on CD-ROM
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; CD-ROM drive.
$69 retail
CD-Information Systems, HB; Luntantugatan 2, II; S-411 20 Göteborg; Sweden; Int+ 46-31-11-26-17 (fax)

Provektor II
PostScript images on CD-ROM
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 7.0 or later; CD-ROM drive.
$139 retail
CD-Information Systems, HB; Luntantugatan 2, II; S-411 20 Göteborg; Sweden; Int+ 46-31-11-26-17 (fax)

Q-Art
Clip art
Any Macintosh; MacPaint.
$34.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Quick Art Deluxe
More than 3,300 TIFF images
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$349 retail
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Quick Art Lite
More than 1,700 TIFF images
Macintosh Plus or larger; 1 MB of RAM; CD-ROM player.
$119 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

Religious Art Portfolio
Digitized pictures; symbols; HyperCard stack version also included
Any Macintosh; external disk drive or hard disk drive; MacPaint, FullPaint, SuperPaint or compatible program.
$24.95 retail U.S.; $35 retail non-U.S.; available in HyperCard version and PictureBase format
$5 retail; evaluation diskette; $7 retail non-U.S.
Medina Software, Inc.; PO Box 521917; Longwood, FL 32752; 407-260-1676 or 407-260-1636 (fax)

Rick Doyle Digital Imagery, Volume 1
More than 60 photographs of surfing, waterskiing, sailing, tropical landscapes and sealife
Macintosh LC or larger; 2 MB of RAM; CD-ROM drive.
$29.95 retail
Rick Doyle Digital Imagery; PO Box 599; 232 N. Sierra Ave.; Solana Beach, CA 92075; 619-481-6792

The Santa Fe Collection Professional Version
Native American and Southwest clip art in EPS
Macintosh Plus or larger; any program that accepts EPS images; PostScript printer or PostScript interpreter software.
$179 retail; Complete Professional Version (includes The Sante Fe Font and LOOKaRT)
$129 retail; Pro Version Images Only (includes The Sante Fe Font and LOOKaRT)
$99 retail; Pro Version Borders Only
$25 retail; The Sante Fe Font (Type 1 and TrueType versions)
$15 retail; EPS Sampler Disk (creditable towards Collection purchase)
$10 retail; The Official Santa Fe Collection Mousepad
RT Computer Graphics, Inc.; 602 San Juan De Rio; Rio Rancho, NM 87124; 505-891-1600, 800-245-7824 or 505-891-1350 (fax)

The Santa Fe Collection
Native American and Southwest clip art in MacPaint format
Any Macintosh.
$49 retail
RT Computer Graphics, Inc.; 602 San Juan De Rio; Rio Rancho, NM 87124; 505-891-1600, 800-245-7824 or 505-891-1350 (fax)

Seals Of The U.S. Federal Government
588 identifying seals and logos
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive.
$79.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A; Minneapolis, MN 55414; 612-379-3956 or 612-623-4570 (fax)

Smart Borders
Graphics/clip art
Any Macintosh; MacPaint.
$24.95 retail
Pleasant Graphic Ware; PO Box 506; Pleasant Hill, OR 97455; 503-345-5796

Smart Designs
EPS clip art
Macintosh Plus or larger; System 6.0.5 or later.
$79.50 per package retail
Linographics; 770 N. Main St., #J; Orange, CA 92668; 714-639-0511 or 800-854-0273

Smart Foods And Smart Family
Graphics/clip art
Any Macintosh; MacPaint.
$24.95 each retail
$49 retail; both (requires 512KE or larger)
Pleasant Graphic Ware; PO Box 506; Pleasant Hill, OR 97455; 503-345-5796

Smartmouse
Graphics; more than 100 illustrations available in MacPaint or PictureBase format
Any Macintosh; MacPaint.
$24.95 retail
Pleasant Graphic Ware; PO Box 506; Pleasant Hill, OR 97455; 503-345-5796

Softdisk Publishing's Art Gallery
Graphics collection
Macintosh 512KE or larger; 800K disk drive.
$19.95 retail
Softdisk Publishing, Inc.; 606 Common St.; PO Box 30008; Shreveport, LA 71130; 318-221-8718 or 800-831-2694

SpaceTime And Art
Color graphics and reference materials
Macintosh Plus or larger; 1 MB of RAM; CD-ROM player.
$79 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

Sports-ROM
Sports clip art in TIFF format, 300 dpi
Macintosh Plus or larger; hard disk drive; CD-ROM drive.
$39.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

State-Smart Clip Art
Clip art
Macintosh Plus or larger; bit-mapped painting program (MacPaint).
$30 retail

Plaxypus Software; PO Box 1591; Corvallis, OR 97339; 800-346-8355 or 805-968-8889 (fax)

StrataClip 3d
Editable 3-D clip art
Macintosh II family, LC, SE/30 or larger with FPU; hard disk drive; System 6.0.5 or later.
$169 retail
Strata Inc.; 2 W. Saint George Blvd., Ste. 2100; St. George, UT 84770; 801-628-5218, 800-869-6855 or 801-628-9756 (fax)

■ **Studio Clip Art Gallery CD-ROM**
EPS clip art images
Macintosh Plus or larger; System 6.0 or later; CD-ROM drive.
Studio Clip Art Gallery CD-ROM has more than 1,600 clip art images created as black and white EPS files. With all of the 1,600 images recreated in color, plus an additional 150 color flags, this CD-ROM contains more than 3,300 illustrations. Illustrations are provided in the following categories: Borders, Christmas, Seasonal, International Symbols, Medical/Health/Dental, School, People, Business, Sports, Recreation, Cartoon, Transportation, Tools, Military/Law Enforcement, 3-D Dingbats and Miscellaneous.
$13.50 retail
Studio Advertising Art; PO Box 43912; Las Vegas, NV 89116; 702-641-7041 or 702-641-7001 (fax)

SunShine Graphics Library
51 disks of bit-mapped graphics; three disks of decorative border fonts
Any Macintosh; ImageWriter or LaserWriter.
$20 per disk retail; 1 to 4 disks
$18 per disk retail; 5 to 9 disks
$15 per disk retail; 10 to 19 disks
$13 per disk retail; 20 or more disks
(a free catalog is available)
SunShine; PO Box 4351; Austin, TX 78765; 512-453-2334

Surf's Up
Images and multimedia clips
Macintosh LC or larger; System 6.0.5 or later; CD-ROM drive.
$49.95 retail
Pacific CD; PO Box 31328; Honolulu, HI 96820; 808-949-4594 (phone/fax)

Swimsuit CD
Photos of women in swimwear
Macintosh SE/30 or larger; 2 MB of RAM; color monitor; 24-bit color video card; 32-bit QuickDraw; CD-ROM drive.
$79.95 retail; V.1
$59.95 retail; V.2
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Tech Parts
Clip art of common hardware
Macintosh Plus or larger.
$49.95 retail; per kit
$120 retail; combination
Airo Design & Manufacturing; PO Box 427; Port Washington, WI 53074; 414-284-7169

Totem Graphics Inc.
Color PostScript clip art
Macintosh SE or II; PostScript printer; Illustrator, FreeHand or any page-layout program.
$39.95 retail; single-subject category of 96 images
$495 retail; CD-ROM (18 subject set)
Totem Graphics Inc.; 6200-F Capitol Blvd.; Tumwater, WA 98501; 206-352-1851 or 206-352-2554 (fax)

U.S. Presidents
Clip art
Any Macintosh.
$35 each retail
Visatex Corp.; 1745 Dell Ave.; Campbell, CA 95008; 408-866-6562 or 800-722-3729

Venus Swimsuit CD-ROM
More than 425 images, plus background music
Macintosh II family; 256-color or 24-bit full color monitor; CD-ROM drive.
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Wizard Computer Graphics; 2445 Cleveland Ave.; West Lawn, PA 19609; 215-678-2300 or 215-678-4771 (fax)

Vintage Quality Photographic Images For CD-ROM
Professionally-photographed, royalty-free images
Macintosh with 68020 or larger processor; 2 MB of RAM; 32-bit QuickDraw; QuickTime; System 6.0.7 or later; CD-ROM drive.
$124.95 each retail; Medley, Mosaic, All & Sundry, Melange, Montage
$174,95 retail; Spectrum
Seattle Support Group; 20420 84th Ave.; Kent, WA 98032; 206-395-1484, 800-995-9777 or 206-395-1487 (fax)

Visual Delights
Clip art
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; 300 dpi printer.
$39 per set retail; free catalog is available
SunShine; PO Box 4351; Austin, TX 78765; 512-453-2334

Visual Delights CD-ROM
Clip art
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; CD-ROM player; 300 dpi printer.
$333 retail
SunShine; PO Box 4351; Austin, TX 78765; 512-453-2334

Visual Symbols Sampler Library
Copyright-free photographic images
Macintosh Plus or larger; Photo CD-compatible CD-ROM drive.
Call for pricing
CMCD Inc.; 600 Townsend St., Penthouse; San Francisco, CA 94103; 415-703-9900, 800-664-2623 (ordering) or 415-703-9901 (fax)

Volk Clip Art EF
Electronic clip art
Macintosh Plus or larger; 1 MB of RAM.
$44.50 retail
Volk Clip Art; PO Box 347; Washington, IL 61571; 309-685-8055, 800-277-7048 or 309-688-5873 (fax)

Western Clip Art Pac
More than 50 high-quality, hand-drawn images
Any Macintosh.
$39.95 retail
After Images; 1250 W. Rancho Dr.; Phoenix, AZ 85013; 602-246-1155 or 800-278-7225

WetPaint Volumes 1-18
Bit-mapped clip art
Any Macintosh.
$89.95 per volume retail; three 800K disks in MacPaint format
Dubl-Click Software, Inc.; 20310 Empire Ave., Ste. A102; Bend, OR 97702; 503-317-0355 or 503-317-0430 (fax)

WetSet 2.0
Clip art
Macintosh Plus or larger; CD-ROM drive.
$349.95 retail
Dubl-Click Software, Inc.; 20310 Empire Ave., Ste. A102; Bend, OR 97702; 503-317-0355 or 503-317-0430 (fax)

Whelan's Computer ChurchArt
600 contemporary clip art images
Macintosh Plus or larger.
$50 retail; 15-disk set
Whelan Design Studios; PO Box 51034; Denton, TX 76206; 817-380-9514 or 817-381-1913 (fax)

■ **WordPerfect Clip Art For The Home**
450 images
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WordPerfect Clip Art for the Home includes more than 450 images for creating banners, flyers, newsletters, etc. Graphics in the categories of family, food, education, nature, household objects and special holiday and seasonal images are included. The vector-based graphics can be easily resized without losing graphic quality as images become smaller or larger. The package comes with a reference book to view the complete library of available images.
$39.95 retail
WordPerfect, The Novell Applications Group; 1555 N. Technology Way; Orem, UT 84057; 801-225-5000, 800-451-5151 or 801-228-5377 (fax)

■ **WordPerfect Clip Art For The Office**
450 images
Macintosh Plus or larger.
WordPerfect Clip Art for the Office includes more than 450 images for creating reports, financial results, graphs, slide presentations and overheads. Graphics in the categories of cartoons, finance, graphics, icons, objects, people and travel are included. The vector-based graphics can be easily resized without losing graphic quality as images become smaller or larger. The package comes with a reference book to view the complete library of available images.
$39.95 retail
WordPerfect, The Novell Applications Group; 1555 N. Technology Way; Orem, UT 84057; 801-225-5000, 800-451-5151 or 801-228-5377 (fax)

■ **WordPerfect Clip Art Premium Collection**
4,800 clip art images
Macintosh Plus or larger; CD-ROM drive.
The WordPerfect Clip Art Premium Collection on CD-ROM combines 4,800 clip art images in PICT, CGM and WPG graphic formats. Clip art is organized with the Kudo Image Browser in 12 different categories, including seasonal, sports, home, business, outdoors, culture, design, education, government, maps/flags, people and symbols. The package also ships with 68 WAV sound clips with sounds like barking, applause, bubbles, rain and laughter. Drag and drop capabilities allow users to select and drag images directly into documents. Within the Kudo Image Browser, users can look through hundreds of images quickly, visually or by descriptions.
$109 retail
WordPerfect, The Novell Applications Group; 1555 N. Technology Way; Orem, UT 84057; 801-225-5000, 800-451-5151 or 801-228-5377 (fax)

Works Of Art: Education
Clip art
Macintosh Plus or larger.
$49.95 retail
Springboard Educational Software; A Division of Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0908, 800-232-2224 or 203-336-2481 (fax)

■ **World Globes Vol. 4**
Clip art views of the globe
Macintosh Plus or lager; 1 MB of RAM; graphic program.
World Globes is a collection of more than 21 world views. Included are Perspective, Mercator and Robinson projections of the Earth, as well as views from all sides and the poles.
$99.95 retail
Bruce Jones Design; 31 St. James Ave.; Boston, MA 02116; 617-350-6160, 800-843-3873 or 617-350-8764 (fax)

World-Wise Europe Clip Art
Clip art
Macintosh Plus or larger; bit-mapped painting program (MacPaint).
$30 retail
Plaxypus Software; PO Box 1591; Corvallis, OR 97339; 800-346-8355 or 805-968-8889 (fax)

The WorldBank Personal Stock Image Library
Photo images
Macintosh LC or larger; CD-ROM drive; System 7.0 or later.
$25 U.S. retail; Sampler
$499 U.S. retail; Multimedia (lo-res)
$499 U.S. retail; Hi-Res Printable I
$499 U.S. retail; Hi-Res Printable II
Aztech New Media Corp.; 99 Atlantic Ave., Ste. 100; Toronto, Ontario, Canada M6K 3J8; 416-539-8822 or 416-539-8533 (fax)

Creative/Drawing & Painting Programs

addDepth
Instant depth and perspective for type and line art
Any color-capable Macintosh; 4 MB of RAM; System 6.0.5 or later.

addDepth is a graphics application that adds depth and perspective to line art and type. It allows users to easily and quickly create the powerful impact of 3-D graphics in illustrations, logos, presentations and packaging comps. It offers full support for TrueType and Type 1 fonts and Adobe Illustrator, Aldus FreeHand, MacDraw and Canvas. addDepth offers full control over depth, extrusion and bevels; orientation in three dimensions; and vanishing point perspective.
$149 suggested retail
Ray Dream Inc.; 1804 N. Shoreline Blvd.; Mountain View, CA 94043; 415-960-0768 or 415-960-1198 (fax)

Adobe Illustrator 5.5
Electronic tools for single-page design and layout
Macintosh with 68020 processor or larger; 4 MB of RAM; hard disk drive; floppy disk drive; 13-inch color monitor; System 6.0.7 or later; CD-ROM drive to view interactive demos.

Adobe Illustrator is a powerful design tool that includes text handling capabilities, automatic graphing and ease-of-use features. Users can enter any number or combination of typeface characters on screen, without working through a cumbersome dialog box; manipulate and edit text any way desired on screen, including adjusting the kerning, placing text on a curve and editing PostScript Type 1 typeface outlines; wrap text around an object; type in or import data from popular spreadsheet programs and choose a style; customize data with shadows, patterns or textures; change data in a file and all art is automatically updated; expanded toolbox makes it easy to draw straight lines and curves, group and ungroup objects in complicated drawings, blend and transform; instruction bar that guides users through using the program and the tools; tools for freehand sketching and automatic tracing of scanned images; blend tool for creating airbrush effects; the capability to create custom PostScript language patterns; full Pantone Matching System color capability; convert MacDraw files to Adobe Illustrator files; the capability to produce high-quality color separations; and more. With Adobe Illustrator, users can create, edit and produce high-quality text pages and graphics.
$595 retail
Adobe Systems, Inc.; 1585 Charleston Rd.; PO Box 7900; Mountain View, CA 94039; 415-961-4400, 800-833-6687 or 415-961-3769 (fax)

Adobe Streamline 2.0
Line art conversion
Macintosh Plus or larger; Adobe Illustrator 3.0.

Adobe Streamline converts high-resolution bit-mapped images — from electronic files or from scanned drawings, illustrations, photographs, technical illustrations, forms or schematics — into Adobe Illustrator or Encapsulated PostScript language files. After an image has been converted, a user can keep the image as-is and print it on any PostScript-language printer, export it to a page-layout program or modify it in a drawing program, such as Adobe Illustrator or Aldus FreeHand. Dialog boxes simplify decision making and give users subtle control over options, such as conversion method, matching bit maps, use of straight vs. curved lines, variations in gray scale (2 to 16 levels) and tints and colors.
$195 retail
Adobe Systems, Inc.; 1585 Charleston Rd.; PO Box 7900; Mountain View, CA 94039; 415-961-4400, 800-833-6687 or 415-961-3769 (fax)

Aldus FreeHand 4.0
Drawing program for producing high-quality graphics
Macintosh Plus or larger (IIci or larger recommended); 2 MB of RAM (8 MB recommended); hard disk drive; PostScript-language or QuickDraw-compatible output device; System 6.0.7 or later.

Aldus FreeHand is a comprehensive drawing program for producing high-quality graphics. The program can trace graphics with basic drawing tools or advanced lines with Bezier curve tools. Objects and text can then be manipulated using one of FreeHand's special effect features, such as graduated fills of text and objects and the ability to scale, rotate, reflect and skew objects in text. Aldus FreeHand's color support consists of color separations for spot color and the four process colors (CYMK), or a combination of both. Users can display up to 256 colors on a Macintosh II color monitor, and specify color screen percentages for printing color tints. Additional features include 200 independent user-assigned layers, undo and redo options for the last eight actions, multiple levels of magnification for viewing work on the screen and the ability to edit in the Preview mode. Other features include: on-screen colors, styles and layers palettes that list the line and fill colors, graphic styles and layers that users create in an illustration; enhanced text controls; WYSIWYG display of text effects; and includes a built-in color separator that produces full process color separations for all parts of an illustration. Features new to Version 4.0 include enhanced text controls, intuitive color controls, a streamlined user interface, extensive graphic capabilities and multipage layout functions.
$595 retail
Aldus Corp.; 411 First Ave. S, Ste. 200; Seattle, WA 98104; 206-622-5500, 800-685-6636 or 206-343-4248 (fax)

Aldus IntelliDraw 2.0
Cross-platform, "smart" drawing program
Macintosh Plus or larger; 4 MB of RAM (5 MB with System 7); hard disk drive; System 6.0.5 or later.

Aldus IntelliDraw provides high-powered drawing tools to help users create and refine the accurate graphics they need every day. Designed to quickly perform many of the drawing tasks of non-artists, business, technical and administrative professionals, IntelliDraw has the power to do much of the drawing for users. Even if users don't draw, new "Drag-and-Drop" Smart Templates give them a head start. It can be used for technical drawing, business graphics, engineering schematics, flow diagrams, organizational charts, simple drafting, space planning and much more. It includes the Symmetrigon tool to quickly produce single or multisided symmetric shapes and loads of ready-to-use clip art. And users can share files seamlessly between IntelliDraw's Macintosh and Windows versions.
$99.99 retail
Aldus Corp. Consumer Division; 5120 Shoreham Pl.; San Diego, CA 92122; 800-888-6293 or 619-558-8723 (fax)

Aldus SuperPaint 3.5
Painting, drawing and image enhancement
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.

Aldus SuperPaint is a versatile personal art program that lets everyone — not just skilled artists — quickly produce attractive results. It combines painting, drawing and image-enhancement capabilities in one program. Users can access 1- through 32-bit documents capabilities without a 24-bit card. The interface includes pop-ups, tear-away menus and hot keys to easily access tools and palettes. Tools and features work together intuitively — there is no restriction to use particular tools for particular effects. Customizable textures and gradients are available. SuperPaint includes direct scanner support through TWAIN, as well as support for QuickTime and Kodak Photo CD. It includes draw and paint layer plug-in tools and support for Aldus Gallery Effects. A Copy Brush tool and color clarity filter have been added to enhance the existing image-enhancement capabilities. SuperPaint supports RGB, HSB and CMYK color models and exports as TIFF or EPS. Other file formats include import of color, black and white and gray-scale TIFF, PICT, PICT2, EPS, Startup Screen and MacPaint files. SuperPaint is System 7 savvy.
$49.95 retail
Aldus Corp. Consumer Division; 5120 Shoreham Pl.; San Diego, CA 92122; 800-888-6293 or 619-558-8723 (fax)

Amazing Paint 1.0.3
Black and white paint program
Macintosh 512K or larger.

Amazing Paint is a low cost, innovative black and white painting program. Some of the program's unique features include: multiple undos, the Magic Wand, the Shape Selector and more powerful Pencil, Pattern, Spray Can and Custom Brush tools. The Magic Wand is a selection tool that will select a "filled" area with a single click. The Shape Selector allows users to make selections with circles, triangles, free-form shapes, arcs and predefined shapes. Amazing Paint's Pencil has selectable "lead" sizes from a single pixel to as large as 8 by 8 pixels. Amazing Paint's Patterns can be rotated, inverted and can have different ink properties, including transparent and overlay. All tools that draw can take advantage of these patterns. Custom Brushes can be made using the brush editor. Brushes can be drawn from scratch or "grabbed" from any document. The Spray Can has adjustable spray size, pattern and spray speed. Text in Amazing Paint can range from 9 to 999 point font sizes. The program is both Adobe Type Manager and Apple TrueType compatible. Text can have any pattern applied to the text or its background. Other special effects include vanishing point perspective, rotation, slanting and distortion. Any part of an Amazing Paint document can be printed after it has been selected. Amazing Paint includes the capability to save a selected area or a document directly to the Scrapbook or to a MacPaint or PICT file.
$49.95 retail
PrairieSoft, Inc.; PO Box 65820; West Des Moines, IA 50265; 515-225-3720

Apprentice
Painting-creation program
Any Color Macintosh; 4 MB of RAM; System 7.0 or later.

Apprentice is a paint program that thinks like an artist, not a computer. Now even beginners can create artwork like oil paintings, watercolors, pastels and more. It's way more fun than drawing with lines and circles, like most paint programs. Apprentice makes it especially easy for beginners to make great paintings from scratch. It's educational, too — special tutorials examine works of the masters, teaching the basics of creating and appreciating art. Users can also turn a scanned image into a painting in seconds. Just choose an image, grab a brush and slap on some paint — it's easy because Apprentice automatically chooses the colors, brushstroke by brushstroke.
$69 retail
Delta Tao Software, Inc.; 760 Harvard Ave.; Sunnyvale, CA 94087; 408-730-9336, 800-827-9316 or 408-730-9337 (fax)

AXA WaterColor
Recreates the natural process and results of watercolor painting on the Macintosh
Macintosh Classic or larger; 2.5 MB of free RAM; hard disk drive; gray-scale or color monitor and 8- or 24-bit video card recommended; System 6.0.3 or later.

AXA WaterColor recreates the natural process and results of watercolor painting on the Macintosh. Users mix colors together to make new colors or shades — use red and yellow to make orange or blue and yellow to make green. Users control the shape, size and texture of the brushes and the amount of water on the paper. These settings determine the way the colors blend and bleed as users paint. Brush strokes fade as the brush runs out of paint. AXA WaterColor is an ideal learning tool for beginning artists and an excellent working tool for professionals.
$79 retail
AXA Corp.; 17752 Mitchell, #C; Irvine, CA 92714; 714-757-1500 or 714-757-1766 (fax)

Bliss Paint
Animated color painting
Macintosh II or larger; 8-bit color.

Bliss Paint interactively creates animated color paintings using real-time color synthesis and sequencing. Colors melt and flow as the user creates images from a large variety of automatic scribblers. Scribblers include a variety of geometric, organic and abstract form generators designed for color animation. Colors may be orchestrated with wave shapes, frequencies and amplitudes, all controllable from the keyboard. Bliss Paintings can be used in the Bliss Saver screen saver companion product. Sound input and MIDI instruments can be used to control the color synthesizer. Pictures may be saved as PICT files for other applications. Pictures may be reloaded for more color animations and drawing. Bliss Paint animations

can also be saved as QuickTime movies for use in multimedia productions. Complete online documentation and Balloon Help are included.
$80 retail
Imaja; PO Box 6386; Albany, CA 94706;
510-526-4621, 800-294-6252 or 510-559-9571 (fax)

BrushStrokes
32-bit full-featured paint and image editing program
Macintosh LC or larger; 4 MB of RAM; hard disk drive; System 6.0.5 or later.

BrushStrokes, a 32-bit color paint program featuring a rich set of customizable tools and the unique "How to Paint with BrushStrokes" guide, is designed to provide maximum flexibility and enjoyment for both new and experienced artists. It complements existing Claris graphics-oriented products, Claris Draw and Claris Impact, as well as adding a whole new creative dimension to artistic expression via the Macintosh. Features include: image editing; shading and gradients; transformation tools; more than 30 different brushes; spray can, rubber stamp, grid and arc tools; utilizes drop-in tools from other programs; masking; seven color palettes; 32-bit color simulation; import/export support; and more.
$69 retail
Claris Clear Choice; 5201 Patrick Henry Dr.; PO Box 58168; Santa Clara, CA 95052; 408-987-7000, 800-325-2747 or 415-513-0985 (fax)

CA-Cricket Draw III
Business graphics
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; 32-bit QuickDraw; System 6.0.7 or later.

CA-Cricket Draw III makes creating graphs easy. In seconds users can convert raw data into complete, professional-looking, publication-quality graphs. There are no complex dialogs or commands to learn and no lengthy procedures to follow. Editing graphs is easy — users just double-click a graph component or other object, make changes in the dialog that appears and view the results immediately. Features include: choice of 12 different graph types with the abiltiy to overlay; support for importing databases; easy, direct data entry and editing; a full range of mathematical operations on data, including logarithmic, trigonometric and exponential functions; the ability to plot 1,000 columns by 32,000 rows of data; full text editing capacity; regression curve fits, interpolation and error bars; full-page layout with editing tools; export to page layout, word processing and graphics programs; customized graphs can be saved as formats to apply to other data sets; and is System 7 savvy, including Publish and Subscribe.
$129 retail
Computer Associates International, Inc.; One Computer Associates Plaza; Islandia, NY 11788; 516-342-5224 or 800-225-5224

Canvas 3.5
Precision drawing program
Macintosh Classic or larger; hard disk drive.

Canvas is a precision drawing program for illustrators, designers, artists, architects and engineers. Version 3.5 delivers powerful new features, including 3-D extrusions, enveloping, seamless file compatibility with Canvas for Windows, column to column text flow, text style sets and more. Canvas integrates object blending, centerline auto-trace, a Smart Mouse drawing aide, Pantone colors and Open Architecture technology. For professional text handling, Canvas offers fractional leading and kerning, tab support within a text block (left, right, center, decimal), subscripts and superscripts, binding text to any curve or shape, wrapped text around irregular objects, full justification, slant margins, small caps and character-by-character font scaling within text blocks, Type 1 font conversion to Bezier curves and encrusted text within any shape. Graphic design features include the capability to apply effects to, cut or paste multiple points of a Bezier curve, object blending from one shape to another, the capability to edit multiple Bezier curve anchor points simultaneously and EPSF and Illustrator import/export filters. Additional technical illustration features include standard and user-definable hatch patterns, user-definable parallel lines or curves, dynamic object linking (Smart Lines), additional line terminator options, dashed curves and objects, object rotation around any point, a smart drafting assistant, splitting or combining of objects and CGM, DXF and IGES import/export filters. With the program's Open Architecture, new tools, effects and import/export filters can be added at any time with ease. Other features include an integrated CMYK four-color separations utility, an on-screen presentation capability, a search capability for objects and properties and MacDraw I and II (import only), PICT1, PICT2, MacPaint, TIFF import/export filters. Canvas is System 7 savvy and includes support for QuickTime. Version 3.5.2 adds TWAIN compatible scanner support for direct image acquisition and preview capabilities for third-party image browsing software.
$399 retail
Deneba Software; 7400 SW 87th Ave.; Miami, FL 33173; 305-596-5644 or 305-273-9069 (fax)

Canvas Add-On Tools
Design, imaging and utility tool packs
Macintosh Classic or larger; hard disk drive; Canvas 3.0.6 or later.

The Canvas Design ToolPak features new object effects, including three-dimensional extrusions and object warping (enveloping). Also included are tools for drawing pressure-sensitive Bézier curves on Wacom and CalComp tablets; "Smart Lines," which create dynamic links between objects; a tool for drawing fractal lines; and a Compound Object tool that groups objects into a true single object. (Design ToolPak for Canvas 3.0.6 only.)

The Canvas Imaging ToolPak unleashes the image editing power built into Canvas. Users may create their own filters or use the many interesting filters that are included. Object creation tools include Charcoal, Chalk and Multi-Color Airbrush. This pack also has a Magic Wand auto-selection tool, an easy-to-use masking tool and an Anti-Alias tool for smoothing bit maps.

The Canvas Utility ToolPak gives users the ability to create photorealistic effects with imported Adobe Photoshop filters and Aldus Gallery Effects. Two new text tools bring text flow and style sheets to the program. Canvas users will also get filters to open files that have been saved in Photoshop or GIF formats. The package includes tools that provide professional-quality kerning attributes and faster performance with a new caching option.
$49.95 each retail
Deneba Software; 7400 SW 87th Ave.; Miami, FL 33173; 305-596-5644 or 305-273-9069 (fax)

ClarisDraw
Drawing application
Macintosh Plus or larger; 2 MB of RAM (4 MB with System 7); hard disk drive; System 6.0.7 or later.

ClarisDraw is the next generation of the MacDraw Pro drawing standard, incorporating more than 75 new features in the areas of versatility, intelligence and precision. ClarisDraw adds full 24-bit color painting, image editing effects, enhanced presentation capabilities, QuickTime video support and enhanced text handling with linked frames, text on a curve, embossing, text wrap and styles. Intelligence is built in to ClarisDraw. For example, SmartAlign automatically aligns and distributes objects and text, and when objects are moved, SmartConnectors keep objects connected with straight or angled connectors. SmartSymbol libraries and 2,400 pieces of clip art provide new drag and drop graphics creation and editing capabilities for substantial increases in productivity. ClarisDraw is compatible with MacDraw II and MacDraw Pro files and data, as well as other industry standard file formats (EPSF, TIFF, PICT, PICT2, CGM, MacPaint, QuickTime Movie). The Claris Graphics Engine (CGE) provides seamless cross-platform (Mac and Windows) transparency across Claris applications and platforms.
$399 retail
Claris Corp.; 5201 Patrick Henry Dr.; PO Box 58168; Santa Clara, CA 95052; 408-727-8227 (customer relations), 800-735-7393 U.S upgrades) or 800-334-3535 (U.S. dealers)

Color It! 2.3
32-bit paint and image processing program
Macintosh Classic II or larger; 2 MB of RAM; hard disk drive; 32-bit QuickDraw; gray-scale or color monitor and 8- or 24-bit video card recommended; System 6.0.5 or later.

Color It! is a full-featured 32-bit color paint program. With Color It!, users can edit images of any kind from line art to direct color. Because Color It! uses a sophisticated virtual image system, users can open and edit multiple files larger than available memory. Multiple undos are provided for greater flexibility and to protect against unwanted mistakes. Like expensive paint programs, Color It! supports anti-aliasing to help remove jagged edges from brush strokes, text and graphic objects. Sharpen, blur and smudge tools are also included to help retouch photographic images. To isolate portions of an image, Color It! supports advanced masking with variable levels of transparency. Other features include basic image filtering, scanner support and special effects. Color It! is System 7 savvy.
$149.95 retail
MicroFrontier, Inc.; 3401 101st St., Ste. E; Des Moines, IA 50322; 515-270-8109 or 515-278-6828 (fax)

Color MacCheese
32-bit paint program
Macintosh Plus or larger; System 6.0.5 or later; 1 MB (B & W); 2 MB (color).

Color MacCheese is the one paint program every Mac user should have. Experienced users love MacCheese's speed and elegance. New users love MacCheese's simplicity. Everybody loves MacCheese's cool gimmicks, like instant sunsets and fractal trees. It has all the normal stuff users would expect to find in a paint program: circles, squares, gradients, filters and so on. But it's the special stuff that makes it fun. Users can use a paint roller or rake, stretch text or add texture with the Transmogrifier. It's great for everything from editing photos to making any picture imaginable.
$69 retail
Delta Tao Software, Inc.; 760 Harvard Ave.; Sunnyvale, CA 94087; 408-730-9336, 800-827-9316 or 408-730-9337 (fax)

DAfx 1.33
Paint desk accessory
Macintosh 512KE or larger; 1 MB of RAM and hard disk drive recommended.

DAfx is a bit-mapped painting program that works as a desk accessory. When activated, the program replaces the entire menu bar, revealing its host of features. A few of the special tool capabilities include a spray paint can with adjustable spray nozzle and airbrush option; the text tool, which allows users to enter text and change the pattern of the text itself, the text background and the text outline; and object tools, which can draw constrained, multiple and/or centered objects. Other features include: graphic conversion capabilities; grids (for both horizontal and/or vertical movement); undo; picture recovery (in the event of a system failure); preferences dialog (open to, undo and other options); turbo grabber; full font/style/size control of text; 90 degree rotations; horizontal/vertical flips; selection scaling; five levels of FatBits; and "Fuzzing." Fuzzing allows users to do such things as edge detection, pattern removal, edge tracing and image enhancement.
$30 retail; registration fee
Mi Concepts; PO Box 8822; Kentwood, MI 49508; 616-765-3312, ext. 14 or 616-765-3325 (fax)

Deneba artWorks
Integrated graphics software
Macintosh Plus or larger; 2 MB of RAM; System 6.0.7 or later.

Deneba artWorks is an easy-to-use draw and paint program designed specifically for today's burgeoning consumer software market. It combines the drawing power of Deneba's Canvas with innovative painting and image editing features. It supports 16.7 million colors. Deneba artWorks allows drawing, painting and image editing on any layer, supports unlimited layers and works with popular third-party image enhancement plug-in tools.
$149 retail
Deneba Software; 7400 SW 87th Ave.; Miami, FL 33173; 305-596-5644 or 305-273-9069 (fax)

DeskPaint & DeskDraw 3.52
Full featured black and white and color paint and draw graphics editors
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later.

DeskPaint & DeskDraw is a complete graphics package that provides users with paint, TIFF and draw editing. DeskPaint creates, loads, edits and saves bit-map graphics, including TIFF, MacPaint and PICT formats. A special feature included with DeskPaint is Auto Trace, a facility for tracing bit-map images (TIFF or MacPaint) to PICT objects. Other features include: air brush, charcoal, duplicate, distort, one and two point perspective, cropping, transparent paint, inverse paint, halftoning effects, printing of posters and billboards, edit patterns, scale selections from one percent to 3,999 percent, paste unscaled (pastes images back at their original size), browse features for looking through folders of clip art or scrapbooks and free rotating bit maps in .2 degree increments.

DeskDraw is similar to MacDraw and creates, loads, edits and saves images consisting of graphics and text objects, bit maps (up to 4,000 dpi) and rotated PostScript text. DeskDraw has normal object-oriented graphics editing capabilities, such as arcs, free rotation of text and graphics, rectangles, polygons, lines, hairlines and freehand objects. Objects may be filled with patterns, colored with any of eight QuickDraw colors, set eight copy modes and set line patterns and widths. DeskPaint & DeskDraw are System 7 compatible.
$199.95 retail
Zedcor, Inc.; 4500 E. Speedway, Ste. 22; Tucson, AZ 85712; 602-881-8101, 800-482-4567 or 602-881-1841 (fax)

Easy Color Paint 3.0
256-color painting program
Macintosh Plus or larger; 1 MB of RAM; System 6.0.2 or later.

Easy Color Paint is a full-featured color painting program that provides plenty of power for serious graphics, with an easy interface to attract users of all ages and experience levels. It prints in color to the ImageWriter II, as well as to color QuickDraw printers. It supports pressure input from the Wacom stylus. Features include 21 tools, 256 colors, user-defined patterns, multiple color palettes, color printing, resizable windows, user-defined options, adjustable fonts and brushes, horizontal/vertical flipping, color inversion, a variety of gradient fills, user-defined multi-colored patterns, novel lasso and bucket tools, bit-map rotation, special windows for Apple's 12-inch color monitor and many special features, including blends and "wacky coloring." Preference files include ECP Artist and ECP Junior. The program includes professional artwork created using ECP, online help and an Easy Coloring Book with dozens of black and white pictures to color in. The program reads and writes PICT and MacPaint files, and is compatible with MultiFinder and 32-bit QuickDraw.
$59.95 retail
MECC; 6160 Summit Dr. N; Minneapolis, MN 55430; 612-569-1500, ext. 529, 800-685-6322, ext. 529 or 612-569-1551 (fax)

Expert Color Paint
Color paint program
Macintosh SE/30 or larger; 2 MB of RAM (4 MB recommended for System 7); hard disk drive; gray-scale or color monitor and 8-bit video card recommended; 32-bit QuickDraw; System 6.0.5 or later.

Expert Color Paint is a simple-to-use, yet powerful paint program loaded with all the extras, including hot 32-bit color (a palette of 16.8 million colors), multiple undos, virtual memory and System 7 support. The vast array of customizable tools, including brushes, pencils, eraser, spray can, dropper and air brush, make computer graphics simple. A free clip art disk is included.
$49.95 retail
Expert Software, Inc.; 800 Douglas Rd., North Tower, Ste. 750; Coral Gables, FL 33134; 305-567-9990, 800-759-2562 or 305-443-0786 (fax)

Expert Draw
Drawing package
Macintosh Plus or larger; 2 MB of RAM (4 MB recommended for System 7); hard disk drive; System 6.0.7 or later.

Expert Draw is packed with professional features that let users create astounding object-oriented graphics. It is ideal for creating stationery, logos, technical drawings, posters, maps, even screen presentations. Expert Draw supports full 32-bit color; gradient fills; drag-and-drop library functions that allow users to create their own custom libraries; advanced text controls (binding text to curves); multiple layers; Publish & Subscribe; and import/export PICT, TIFF, Paint and QuickTime movies.
$49.95 retail
Expert Software, Inc.; 800 Douglas Rd., North Tower, Ste. 750; Coral Gables, FL 33134; 305-567-9990, 800-759-2562 or 305-443-0786 (fax)

Fractal Design Dabbler
Natural-media draw and paint program
Any Macintosh, except Plus, Classic, SE and PowerBook 100; 4 MB of RAM; hard disk drive; color or gray-scale monitor; System 6.0.5 or later.

Fractal Design Dabbler is an easy-to-use natural-media draw and paint application that features an educational approach to computer art. Dabbler features a dramatically simple interface, visual tutorials, 16-bit color for minimal system requirements and a full array of natural-media painting tools. Included with Dabbler is a manual with instructions written in collaboration with the Walter Foster Publishing, the publishers of how-to-draw-and-paint art books.
$99 retail
Fractal Design Corp.; 335 Spreckels Dr.; Aptos, CA 95003; 408-688-8800 or 408-688-8836 (fax)

Fractal Design Painter 3.0
24-bit color, natural-media paint program
Macintosh LC, II, Quadra or Power Macintosh; hard disk drive; 8-bit color (24-bit recommended); color or gray-scale monitor; 32-bit QuickDraw; System 6.0.5 or later; pressure-sensitive stylus recommended.

Fractal Design Painter is a 24-bit color paint program that simulates the tools and textures of natural media. Users can use Painter to create original art or to apply natural effects to artwork, scanned images or frame grabs. Painter offers an endless palette of tools and textures that allows users to express themselves in a wide range of styles. Tools include charcoal, felt pens, chalk, crayons, pencils and many more. With Painter's cloning feature, users can open a scanned image and recreate it as a pencil sketch, watercolor or even a Van Gogh. With Painter, the eye actually sees the striated surface of oil paint, the saturated bleed of felt markers and the nubby richness of charcoal. All photo-designs basics are built in: photo-compositing, including dodge and burn, advanced magic wand selections and color separations. Sporting more than 50 new features, Version 3.0 features a refined user interface, multiple floating selections, multimedia and animation tools, enhanced creative and compositing tools and more.
$499 retail
Fractal Design Corp.; 335 Spreckels Dr.; Aptos, CA 95003; 408-688-8800 or 408-688-8836 (fax)

Fractal Design PainterX2
Expert extension to Fractal Design Painter
Any Macintosh, except Plus, Classic and SE; FPU required for some effects; 4 MB of RAM; hard disk drive; color or gray-scale monitor; 8-bit color (24-bit color recommended); 32-bit QuickDraw; Painter 2.0; System 6.0.5 or later.

Users can combine and orchestrate graphic elements with PainterX2, an expert extension to Fractal Design Painter 2.0. With X2, any number of floating images may be present on a Painter 2.0 document. Users can move, layer, scale, distort and skew them. Users also can save their floating selections in a Portfolio as thumbnails. Their picture is always "alive." PainterX2 gives users the freedom to make up their mind — again and again.
$149 retail
Fractal Design Corp.; 335 Spreckels Dr.; Aptos, CA 95003; 408-688-8800 or 408-688-8836 (fax)

Fractal Design Sketcher
Gray-scale paint and image-editing application
Macintosh Classic, Quadra or PowerBook; 2.5 MB of RAM; hard disk drive; 32-bit QuickDraw; System 6.0.5 or later.

Fractal Design Sketcher brings revolutionary natural-media and imaging technology to gray-scale graphics. Sketcher faithfully duplicates the expressive line of a soft lead pencil on rough sketch paper or the luminous glow of oil paints that have been layered on a fine-weave canvas. As image-editing software, Sketcher offers unparalleled ease of use through its simple interface. Because it works in gray scale, Sketcher keeps memory consumption to a minimum. Because it's a paint application, drawing in Sketcher is easier and more natural than drawing in PostScript-based illustration programs.
$79 retail
Fractal Design Corp.; 335 Spreckels Dr.; Aptos, CA 95003; 408-688-8800 or 408-688-8836 (fax)

FreeHand 3.1 Japanese
Japanese version of FreeHand
Macintosh Classic or larger; 4 MB of RAM; Japanese Language Kit with System7.1 or KanjiTalk 6.0.7 or later.

FreeHand Japanese is the Japanese-language version of Aldus FreeHand. This latest version includes new on-screen palettes, online help and 99 levels of undo. These are in addition to the features that have made FreeHand a long-time favorite of graphic designers, technical illustrators and publishers. Users may work with on-screen namable color swatches, named-layered element organization, preview editing, etc. Documentation is in Japanese.
$888 retail
Qualitas Trading Co.; 2029 Durant Ave.; Berkeley, CA 94704; 510-848-8080 or 510-848-8009 (fax)

IsoMetrix
Illustration package for technical illustration users
Macintosh Plus or larger; System 7.0 or later.

IsoMetrix is a full-featured software illustration package for technical illustration users. The program has been specifically tailored for the production of isometric illustrations. It includes many unique and powerful features unavailable in many other illustration or CAD packages, including: locking isometric tools, specialized isometric design tools, Advanced Parametric Objects, Global Line Control and Airo Design & Manufacturing's unique Numbered Callouts tool.
$195 retail
Airo Design & Manufacturing; PO Box 427; Port Washington, WI 53074; 414-284-7169

Kid Pix
Paint program for kids
Macintosh Plus or larger; System 6.0 or later (sound recording requires the Farallon MacRecorder and System 6.0.7 or later, or a Macintosh IIsi or LC).

Kid Pix is a paint program for kids that combines special effect art tools, outrageous sounds and magic screen transformations. With Kid Pix, parents and kids can create wacky and wonderful works of art by combining an assortment of creative paint tools with zany sound effects. The program features an easy-to-use palette of painting and special effect tools, including a "drippy" paint brush, a collection of magical erasers and a talking alphabet. With Kid Pix, users don't just paint a work of art — they hear it, too. Every brush and tool has its own unique sound effect, from creaks and kerchunks to boings and booms. Users can even record personal greetings, poems, music or sound effects to embellish a creation. The extensive palette of more than 20 Wacky Brushes allows users to create imaginative, highly-textured drawings. Kids can experiment with such tools as Leaky Pen, Echoes and Splatter Paint to create colorful, full-screen images. With Rubber Stamps, kids can choose from more than 100 full-color stamp images, from ice cream cones to frogs. Each Rubber Stamp can be edited, re-colored, flipped, magnified and combined to create outlandish collages. Among a variety of unusual erasers, Kid Pix includes a special Hidden Picture eraser that actually scrubs away at the screen to uncover a library of mysterious images, including animals, insects and other fun surprises.
$44.95 approximate retail
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

Kid Pix Companion
Adds new dimension to the multimedia excitement of Kid Pix
Macintosh Plus or larger; 1 to 2 MB of RAM (2 to 4 MB with System 7; 4 MB for QuickTime features); hard disk drive; Kid Pix; System 6.0.7 or later; MacRecorder is optional.

Kid Pix Companion is the latest addition to the Kid Pix line of products. The program adds new dimension to the multimedia excitement of Kid Pix by offering a wide range of activities, such as SlideShow, DrawMe Pictures, ColorMe Pictures, 112 additional Rubber Stamp images, 20 new Hidden Pictures and support for QuickTime. SlideShow is an easy-to-use feature that allows kids to take pictures created in Kid Pix and link them up in any order to produce a fun presentation. Best of all, there are lots of crazy sounds and transitions from which to choose for creating entertaining "moving stories." DrawMe Pictures features humorous, pre-recorded voices that prompt kids to draw imaginative pictures. It includes hundreds of picture descriptions to inspire kids' creativity. ColorMe Pictures enables kids to put their drawing and coloring skills to work. It includes a collection of pre-drawn, black and white images that kids can color on screen or print out and color. QuickTime support has been added to Kid Pix Companion, enabling kids to run QuickTime movies in Kid Pix (on the interactive Kid Pix "Wacky TV") and save a SlideShow as a QuickTime movie.
$29.95 approximate retail
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

Koyn Fractal Studio 2.0
Easy-to-use fractal image creation software
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later.

Koyn Fractal Studio is an innovative art tool that allows users to easily create intricate designs on the Macintosh and incorporate them into graphic design projects, ranging from publications to multimedia presentations. Fractals are shapes of infinite detail that have patterns of self-similarity — i.e., a part of a fractal resembles a smaller copy of the whole. Koyn Fractal Studio allows users to create a rich variety of unique images, including abstract geometrical designs and patterns, textures and images resembling natural objects. Koyn Fractal Studio comes with the Fractal Library, a collection of more than 50 premade fractals. The Fractal Library can be used as a source of clip art and as a starting point for a user's own design.
$149.95 retail
Koyn Software; 1754 Sprucedale; St. Louis, MO 63146; 314-878-9125

MacPaint 2.0
Free-form illustration
Macintosh 512KE or larger.

MacPaint is a design tool for creating free-form drawings and for manipulating existing images. Its design capabilities enable a user to create any kind of artwork — from advertising to layouts to book illustrations. Key enhancements include: open up to nine resizable documents simultaneously; tool and pattern palettes are located in menus that can be pulled down and relocated anywhere on the screen (tear-off palettes); documents scroll automatically when a drawing or selection tool reaches the edge of a window; "Snapshot" lets users return any portion of a picture to a prior version and can be used with magic eraser; four levels of zooming with editing capabilities at each level; and compatibility with Macintosh II, LC, Portables and AppleShare.
$125 retail
$25 retail; upgrade to 2.0
Claris Corp.; 5201 Patrick Henry Dr.; PO Box 58168; Santa Clara, CA 95052; 408-727-8227 (customer relations), 800-735-7393 U.S upgrades) or 800-334-3535 (U.S. dealers)

Michael's Draw
Drawing program
Macintosh Plus or larger; hard disk drive.

Michael's Draw is a drawing program with image processing. Features include: 32-bit color; floating palettes for tools, patterns, colors, lines, text and alignment; continuously updated help for dialogs, menus and tools; project files to save and restore work environment; copy object, replace objects and grab attributes across windows; text with character-level control of color, style, size and font; text color-blending and custom line spacing; kerning, tracking and elongation of bound text; text flow into polygons; stretch, rotate, scale and flip; 8,000 named views and layers; custom grids and rulers; export PICT, PICT2 or EPSF Illustrator 1.1; import PICT, PICT2, EPSF and MacPaint; QuickDraw and PostScript printing to 14 by 14 feet; and image processing for anti-aliasing, gradient blending of images and custom-scripted effects.
$99 retail
Event One; 222 Del Norte Ave.; Sunnyvale, CA 94086; 408-734-4358 or 408-734-4773 (fax)

Mighty Draw
General purpose, object-oriented drawing program
Macintosh Plus or larger; 1 MB of RAM; System 6.0.3 or later.

Mighty Draw is a general purpose, object-oriented drawing program that allows users to create pie charts, column charts, bar charts, flow charts, organizational charts, graphs, electronic schematics, network diagrams, flyers, newsletters, greeting cards, advertisements, logos, clip art and much more. Mighty Draw's features include an extensive library of hundreds of pre-drawn symbols, including symbols for flow charts, electrical schematics, network diagramming, maps, flags, trees and shrubs, furniture, children's clip art, people, business, buildings, vehicles (transportation), sports, military and more. And users can add virtually any symbol from other programs through the Clipboard, including color. Mighty Draw is an all-encompassing drawing program. It is System 7 compatible.
$49.95 retail
Abracadata, Ltd.; PO Box 2440; Eugene, OR 97402; 503-342-3030, 800-451-4871 (sales) or 503-683-1925 (fax)

Oasis
Videographics/image creation software
Macintosh LC or larger; 5 MB of RAM; hard disk drive; 8-, 24- or 32-bit video card; System 6.0.5 or later; 32-bit QuickDraw.

Oasis is videographics/image creation software for creative professionals. It offers videographic tools designed to meet the needs of the emerging desktop video market. Oasis provides an environment that allows for visualization and exploration of ideas with an unlimited array of traditional painting techniques. It also has the capability to simulate traditional art media, including pencil, charcoal, oil, pastel and water color. Oasis' sophisticated implementation of pressure sensitive technology adds yet another dimension of control and style. Oasis videographics tools include HLS color system, video legal color palette, graphics overlay on video, reveal, linear keying capabilities, video capture, alpha channel support and the unique LightBox feature.
$795 retail
Time Arts, Inc.; 1425 Corporate Center Pkwy.; Santa Rosa, CA 95407; 800-959-0509 or 707-576-7731 (fax)

Paint It!
32-bit color paint program
Macintosh Classic II or larger; 2 MB of RAM; hard disk drive; 32-bit QuickDraw; gray-scale or color monitor and 8- or 24-bit video card recommended; System 6.0.5 or later.

Paint It! is an easy-to-use 32-bit paint program with the power to create colorful illustrations. It includes a graphically-oriented user interface designed for the beginning user, and a simplified color and pattern palette to save space, even on small screens. Paint It!'s built-in tools are customizable to create custom brush strokes, and the anti-aliasing features round out rough edges to give a more natural appearance. Paint It! also includes a built-in virtual memory system for working with multiple images or files larger than available memory. Paint It! supports TIFF, PICT, GIF and QuickTime PICT file formats, as well as color PostScript.
$59.95 retail
MicroFrontier, Inc.; 3401 101st St., Ste. E; Des Moines, IA 50322; 515-270-8109 or 515-278-6828 (fax)

PixelPaint Pro3
Digital image creation, retouching and composition
Color-capable Macintosh; 4 MB of RAM (5 MB or more recommended); hard disk drive; 8-bit video (24-bit recommended); System 7.0 or later.

PixelPaint Pro3 is a complete 32-bit, true color image creation, editing and compositing application. The compact, highly intuitive interface includes an advanced set of tools, including some amazing new brushes and natural effects features. Also new in Pro3 is a set of extremely powerful tools that provide complete control for making selections within artwork. PixelPaint Pro3 allows users to make multiple selections — Pixel•Layers — which remain "live" for ongoing editing and manipulation as their artwork evolves. Other features include: design and save custom gradients with multiple colors and transparency levels; versatile document Clone and Merge functions; proprietary technology allows brushes to achieve unsurpassed visual effects, speed and smoothness of operation; interactive transparency control from 0 to 100 percent for all tools; powerful image processing and color correction features; supports third-party plug-in filters; Wet Paint feature allows editing and relocation of painted shapes, brush strokes and text; all painting tools function interactively, or follow polygonal or Bezier curve paths; anti-aliasing feature; fast, automatic file compression for images saved in PixelPaint Pro3 format; and more.
Call for pricing
Pixel Resources, Inc.; PO Box 921848; Norcross, GA 30092; 404-449-4947, 800-851-1427 or 404-449-3789 (fax)

Studio/1
Black and white paint and graphics program
Macintosh Plus or larger; 1 MB of RAM.

Studio/1 is a black and white version of Studio/8, a comprehensive paint and graphics program. Although the interface and menus are identical to its predecessor, Studio/1 replaces color with pattern and dithering capabilities. Several improvements, such as a new text layer that allows for PostScript-quality text on the laser printer, are included. The main new feature of Studio/1 is the ability to create animations. Studio/1 is a professional-quality graphics tool that actually "paints" animation. The program allows users to AnimPaint a series of screens in the same way they would normally paint a single screen. Users can also create and paint with multiframe Animated Brushes. In this mode, users can create such multiframe animations as a bird in flight. In addition, Studio/1 integrates animation with its Perspective capability in a feature called Move. This feature allows users to define a brush, a distance for it to travel, a rotation and the number of animation frames to draw movements across.
$79 retail
Electronic Arts; 1450 Fashion Island Blvd.; San Mateo, CA 94404; 415-571-7171 or 800-245-4525

Studio/32 1.2
Professional level paint and graphics program
Macintosh II; 2 MB of RAM; hard disk drive; 8-bit color card and color monitor for 256-color work; or 5 MB of RAM; 24-bit color card and color monitor for True color work (16.8 million colors).

Studio/32 is an enhanced version of Studio/8 that supports 1-, 4-, 8-, 16- and 32-bit color (True Color). Features include: intuitive, simple user interface; familiar graphic toolbox, innovative paint tools and enhanced tool modifiers; complete on-screen control of color palettes, color selection and color mixing; keyboard equivalents; customizable preferences file match the professional requirements of the artist; scanner utility; professional selection, resizing, distortion and anti-aliasing tools; four-color separation utility; Pantone Matching System; independent text layer for PostScript-quality text; editable Bezier curves; 3D perspective; powerful masking capability to protect unlimited layers of work; versatile magnification/reduction mode; imports/exports PICT, MacPaint, TIFF and EPSF; color cycling to achieve animation effects; precise control of customized dithered gradients; turn any shape or combination of colors into a custom paintbrush; slide show program (Gallery) with built-in fades and wipes; work on multiple documents simultaneously; and more. The new System 7 savvy version of Studio/32 supports multiple page printing, features a more inclusive selection of preferences and a transparent page.
$695 retail
Electronic Arts; 1450 Fashion Island Blvd.; San Mateo, CA 94404; 415-571-7171 or 800-245-4525

These Products Available Through Bottom Line Distribution
1-800-347-1923

Studio/8 2.0
Color paint program
Macintosh II; 1 MB of RAM; hard disk drive.

Studio/8 is a 256-color paint program. It provides a familiar range of tools along with an additional set of nine tool modifiers to customize the tools in a variety of ways. Accessible from the icon toolbox, these tools let an artist dictate how objects are created, where they are placed and how they are filled. Features include: four levels of magnification; up to eight different airbrushes; dual-mode pencil; color picker selects a specific color from a multiple color image; wide variety of polygons; French and Bezier curves with adjustable anchor points; draft and transparent page to allow protected background painting; two, 16 or 256 colors (or gray scale) on screen at once; choice of Studio/8, Apple or Custom color palette; select and mix colors in Color Mixer to create custom colors; powerful manipulation tools; full text box style editing capabilities; images created on a wide array of output devices, including Tektronix 4693D Color Printer, Mirus 35mm film printer, Matrix 35mm slide imager and LaserWriter; supports TIFF, PICT and PICT 2 files; and more. Features new to Version 2.0 include: color dialog that lets users select colors from the Pantone Matching System to produce artwork in the appropriate colors to match professional printed output; PostScript printing support; and support for the LZW compressed TIFF format.
$295 retail
Electronic Arts; 1450 Fashion Island Blvd.; San Mateo, CA 94404; 415-571-7171 or 800-245-4525

■ **TurboCAD For Macintosh**
Desktop drawing and drafting
Macintosh Plus or larger; 2 MB of RAM (4 MB for System 7); System 6 or later.

TurboCAD is a full-featured desktop drawing and drafting package that will have users creating professional drawings in minutes. It has an intuitive, consistent interface, floating tool palettes, context-sensitive user prompts, comprehensive manual with examples and easy-to-follow tutorials. TurboCAD is fast and powerful and users will be able to create high-precision drawings with 256 layers; automatic dimensioning; automatic wall joining; work at any scale on any size drawing; calculate distances, areas and perimeters; use Mac fonts and vector fonts; Mac patterns and line patterns; and edit their drawings with ease.
Call for pricing
IMSI; 1938 Fourth St.; San Rafael, CA 94901; 415-454-7101, 800-833-4674 or 415-454-8901 (fax)

UltraPaint 1.0.5
Combines black and white painting, color painting, gray-scale image processing and object drawing into one program
Macintosh Plus or larger; 1 MB of RAM; two 800K disk drives.

UltraPaint combines black and white painting, color painting, gray-scale image processing and object drawing into one program. For color painting, UltraPaint offers support for 256 colors, blended fills, a multicolor airbrush, masking, customized color palettes, color gradients, a color picker and many special effects. Gray-scale editing features include multiple image combination, contrast and brightness control, powerful selection tools, a water droplet tool, sharpen and blur, charcoal, smear, masking and halftone printing. Black and white editing tools and effects incorporated into the program are a realistic three-pattern airbrush, editable lasso, masking, eight transfer modes and custom brushes. All the standard object-oriented drawing tools are also available, as well as auto-tracing of bit-map images, free-form and Bezier curves, scaling, 600 dpi precision, eight layers, rotation in one degree increments and support for up to 256 colors. UltraPaint reads and saves in MacPaint, PICT1, PICT2, TIFF, Startup Screen and MacDraw I (import only) formats. New tools, effects and import/export filters can be added at anytime.
$79 retail
Deneba Software; 7400 SW 87th Ave.; Miami, FL 33173; 305-596-5644 or 305-273-9069 (fax)

VideoPaint 1.1c
Color painting and editing program with special effects and three-dimensional capabilities
Macintosh II; 2 MB of RAM.

VideoPaint is a three-dimensional color painting and editing program that incorporates sophisticated special effects and an open architecture. The program's features, on top of the regular features found in most color paint programs, include: more than 40 special effects, including spherization, blur, smudge, diffuse, contour, bezier curves, custom shadings, dithering, fractals, etc.; stencil and mask tools; built-in color separation capabilities; three-dimensional wire-frame creation and rendering, with full control over light sources, shades, etc.; built-in drivers for Apple, Microtek and Sharp scanners; advanced built-in import/export facilities, including the capability to import graphics in MacPaint, PICT, PICT2, PixelPaint, Color TIFF and the compressed LZW format, as well as export EPSF, gray-scale PostScript and PostScript CMYK; 16 graphic "ink" modes (six logic modes and six color modes) allow for graphics effects; 32 selection modes allow precise retouching of selected areas and/or colors; complete distort and rotate functions; RGB, CMYK and HLS custom color management; full palette management and customizing capabilities, including animations; anti-aliasing brush and water-drop tools for easy retouching; and a fully-documented open architecture that allows developers to write new special effects and input and output peripherals easily.
$495 retail; includes free copy of VideoArt color clip art
Olduvai Corp.; 9200 S. Dadeland Blvd., Ste. 725; Miami, FL 33156; 305-670-1112, 800-548-5151 or 305-670-1992 (fax)

YidPix: Bible
Bible scenes and colorful stamps for use with Kid Pix
Macintosh LC or larger; color monitor; Brøderbund's Kid Pix.

YidPix: Bible contains 22 dramatic Bible scenes and 56 colorful stamps for use with Brøderbund's Kid Pix. The Bible-oriented stamps can be placed directly within many of the Biblical scenes. Users can paint the burning bush, color the waters of the Red Sea and place the animals on Noah's Ark.
$24.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

Creative/Image Processing

Adobe Photoshop
Photo design and production tool
Macintosh SE or larger, including Portable.

Adobe Photoshop is a photo design and production tool. It allows users to create original images using advanced painting functions, to retouch and edit photographs and other scanned-in, digitized images, make color corrections and produce four-color separations. It features a wide array of painting and editing tools, including customer tools and brushes for creating original images, special effects, textures and patterns. For precise image selection and editing, users can create 8-bit alpha channels that can be used for masks. Collages and photo montages can be created easily. The program supports a wide range of image types, including gray scale, RGB, HSL and CMYK. Images can be converted from one type to another for specialized editing operations, or to create a variety of special effects. Documents can be saved in a variety of file formats, including TIFF, EPS, Scitex and MacPaint. More than two dozen filters can be used to achieve such effects as blurring and sharpening an image, or creating special effects. Adobe Photoshop gives users tremendous control over the colors displayed in an image. Users can adjust the brightness, contrast, middle grays, hue, saturation and specific color values of pixels in any part of an image. Sophisticated color separation capabilities allow users to produce professional-quality, four-color separations. The program allows controlling undercolor removal, ink-trapping and unsharp masking in a color separation.
$895 retail
Adobe Systems, Inc.; 1585 Charleston Rd.; PO Box 7900; Mountain View, CA 94039; 415-961-4400, 800-833-6687 or 415-961-3769 (fax)

■ **AutoMask: Plug-In Filter For Adobe Photoshop**
Automatic mask and merge
Any Macintosh (FPU required 68K) or Power Macintosh; 12 MB of RAM; Adobe Photoshop.

AutoMask is a plug-in filter for Adobe Photoshop that offers users several options: to combine, outline, ghost and resize different pictures in one easy step; to generate automatically a soft mask around subject through a sophisticated density masking function; to work in RGB or CMYK; and accepts Photoshop 2.0, CT Scitex, TIFF or ColorTouch files. AutoMask is an ideal productivity tool for Photoshop users who have to create silhouettes around pictures. Through a unique density technique, AutoMask generates a nice and soft mask, keeping the natural aliasing around the object to be silhouetted or the transparency of the hair, furs or smokes; pick a color or drop the background; preview in real CMYK/RGB or plane by plane; verify the values with an online densitometer; and merge.
$395 retail
The Human Software Co.; PO Box 2280; Saratoga, CA 95070; 408-741-5101 or 408-741-5102 (fax)

AXS PhotoProcessor
Prepares digital image files for efficient browsing, transmission or management
Macintosh with 68020, 68030 or 68040 processor; 8 MB of RAM; System 6.0.5 or later.

AXS PhotoProcessor is an application that prepares digital image files for efficient browsing, transmission or management — automatically and in the background. AXS Processor automatically produces easily-shared, cross-platform packages from an incoming stream of images. Each package, produced from a variety of formats, sources and creator applications, contains a compressed copy of the image, less than one-tenth the size of the original file, a snapshot of the image called a thumbnail and content-specific text information. This compound package can be read, displayed, searched, sorted, navigated, selected, printed and stored on any computer with AXS software. Unless users specify it, the original source file is never touched or altered in any way. In one pass, with no scripting, no keyboard macros, no outside help — no experience necessary — PhotoProcessor erases the barriers to the electronic communication of visual information.
$995 retail
AXS; 1301 Marina Village Pkwy.; Alameda, CA 94501; 510-814-7200 or 510-814-6100 (fax)

■ **CD-Q Acquire Plug-In**
High-quality Photo CD acquisition, color correction and YCC to CMYK color separation
Any Macintosh (FPU required 68K) or Power Macintosh; 12 MB of RAM; Adobe Photoshop.

CD-Q is an Acquire Plug-In for Adobe Photoshop or any other Plug-In-compatible application. CD-Q is an ideal prepress tool to acquire, retouch and color separate Photo CD pictures. CD-Q is specialized in Kodak Photo CD pictures acquiring and offers direct "on the fly" YCC to CMYK color separation and color correction, built-in cropping, unsharp masking, gray component replacement, black level adjustment, white and black points and color correction in either RGB or CMYK with instant previewing of changes. CD-Q is a One-Step Prepress Photo CD Acquire Plug-In to extract and convert all Photo CD pictures into gray scale, RGB or high-quality ready-to-print CMYK color separations with outstanding results every time.
$145 retail
The Human Software Co.; PO Box 2280; Saratoga, CA 95070; 408-741-5101 or 408-741-5102 (fax)

Charger Suites Volumes 1-5
Imaging acceleration software
Macintosh NuBus.

Charger Suites Vol. 1 is Adobe Charged acceleration software for the DayStar Charger or any Storm DSP-compatible accelerator. Volume 1 enables users to accelerate one or more Chargers to parallel process an image for the fastest overall performance. It delivers unmatched performance in a complete library of filters and application extensions for Adobe Photoshop, Fractal Painter, Adobe Premiere and more. It accelerates all variations of Sharpen, Blur, Skew, Resize and Rotate. It also accelerates Find Edges, Feathering, High Pass, Despeckle, Emboss, Motion Blur, Custom Convolution and Preview Icon generation. Charger Suites includes DayStar's PowerPreview, which allows

users to create high-resolution thumbnails to preview variations of a filter's effect in real time.

Charger Suites Vol. 2 accelerates camera acquire with the Kodak DCS 200 system. It provides exact results at speed gains of up to 300 percent when used with DayStar's Charger or any other Storm DSP-compatible accelerator.

Charger Suites Vol. 3 is a DayStar CMS (Color Management System) upgrade for Charger, Charger Plus and Charger PFS. It allows Charger to accelerate the Kodak Precision Color Management System (KCMS). KCMS currently ships in PageMaker, Photoshop (Photo CD Open) and DayStar's ColorMatch packages.

Charger Suites Vol. 4 is a DayStar CMS (Color Management System) upgrade for Charger QUIC and Image 040. It allows Charger QUIC to accelerate KCMS. Charger QUIC (Quadra Universal Interface Connector) is an imaging accelerator (daughter board) that plugs into DayStar's Quad 040.
$119 retail; Charger Suites Vol. 1
$199 retail; Charger Suites Vol. 2
$579 retail; Charger Suites Vol. 3
$579 retail; Charger Suites Vol. 4
DayStar Digital, Inc.; 5556 Atlanta Hwy.; Flowery Branch, GA 30542; 404-967-2077, 800-962-2077 or 404-967-3018 (fax)

ChromaPoint
Improves color photographic output on color PostScript printers
Macintosh Classic II or larger; 2 MB of RAM; hard disk drive; Adobe Photoshop or software that supports Photoshop plug-ins.

ChromaPoint is a Photoshop plug-in that is designed to improve color photographic output on color PostScript printers, such as those available from Hewlett Packard, Tektronix, Seiko and QMS. ChromaPoint creates a proprietary diffusion-tone image that can be included with other elements in any program that accepts color EPS or TIFF files. When output on a color PostScript printer, ChromaPoint images look substantially sharper with greater tonal range than a printer's standard or even so-called "enhanced" output. Printing technologies that benefit from ChromaPoint images include ink jet, thermal wax and phase change ink. Any bit-map image that would normally be screened by the printer's PostScript interpreter can be improved by using ChromaPoint.
$89 retail
Second Glance Software; 25381-G Alicia Pkwy., Ste. 357; Laguna Hills, CA 92653; 714-855-2331 or 714-586-0930 (fax)

Chromassage
Provides Photoshop users with color table manipulation, pallet rotations and color injection into 24-bit space
Macintosh Classic II or larger; 2 MB of RAM; hard disk drive; Adobe Photoshop or any software that supports Photoshop plug-ins.

Chromassage provides Photoshop users with color table manipulation, pallet rotations and color "injection" into 24-bit space. Effects can range from simple colorizations to wild psychedelic art with seemingly endless variety. Chromassage features a "live," interactive preview of the image as it is being modified. Tools include current and modified color pallets, "jog wheel" style sliders and an "injector" that infects the image with a user-definable amount of color. A variety of pallets are available to choose from or users may import the colors from another document. Each step is un-doable within the Chromassage dialog. Chromassage is ideal for use with designs intended for multimedia or artwork destined for spot color output, such as T-shirts and serigraphs using PhotoSpot, Second Glance's spot color separation utility for Photoshop.
$69 retail
Second Glance Software; 25381-G Alicia Pkwy., Ste. 357; Laguna Hills, CA 92653; 714-855-2331 or 714-586-0930 (fax)

■ **ColorExtreme**
Multiple pictures extraction, color correction and separation
Any Macintosh (FPU required 68K) or Power Macintosh; 20 MB of RAM.

ColorExtreme is a desktop stand-alone application that lets users perform multiple pictures extraction, color correction and separation tasks on any file format: RGB, Photo CD or CMYK files. Users can now perform batch color correction and color separation process, cropping, rotation and other filters on up to 100 files, any Kodak Photo CD pictures, RGB scans, etc., and get state-of-the-art CMYK color separations in the output format of their choice (DCS/EPS, TIFF, CT Scitex). ColorExtreme supports plug-ins, allowing users to drive any desktop scanner supporting plug-ins and do RGB to CMYK and transform their RGB scanner to a CMYK scanner. It also enables users to perform color separations out of a scanner on the fly. ColorExtreme also offers the ability to open huge pictures even with very limited RAM memory (20 MB). Users can perform stripping, color correction, sharpening, pixel cloning, cropping and resizing on any pictures, whatever its size.
$625 retail
The Human Software Co.; PO Box 2280; Saratoga, CA 95070; 408-741-5101 or 408-741-5102 (fax)

Colorize
Image processing software
Macintosh LC or larger; 8 MB of RAM recommended; 8-bit color monitor; System 7.0 or later.

Colorize is an image editing software package that efficiently colors line art, clip art and scanned images. It adds spot or process colors to images with automatic trapping. Users create colors using CYMK percentages and output as process or spot color. Clipping paths are not needed, so all unpainted areas allow background to show through. Special tools make colorizing fun and easy, including a keyline tool to apply a keyline in varying pixel sizes; a transfer tool to change the color of a keyline or an interior color; and a despeckle tool to remove noise from the image. Users can save images in EPS, TIFF or Photoshop format. EPS file compression is as little as two percent of comparable CYMK TIFF format. Colorize reads and writes Scitex LW format files.
$399 retail
DS Design; 2440 SW Cary Pkwy., Ste. 210; Cary, NC 27513; 919-319-1770, 800-745-4037 or 919-460-5983 (fax)

■ **ColorQuartet 3.0**
Color separation scanning software
Macintosh II or larger; 8 MB of RAM; 5 MB of free hard disk drive space; System 7.0 or later; 16-bit monitor.

ColorQuartet is scanning and separation software. Users can perform CMYK and unsharp masking on the fly. Separation tables from other color management systems can be imported and used directly in ColorQuartet. Selective color correction facilities are provided in an easy, intuitive interface, using the "LCH" controls for lightness, chroma (saturation) and hue. Available options include: User Guidance System for automated production of consistent, attractive color reproductions; CMS-Link for device-independent IT8 calibration of the ScanView scanner; and Sun SPARC scanning and separation modules for increased processing power.
$1,650 retail
$1,100 retail; RGB-only version
ScanView, Inc.; 330 Hatch Dr., Ste. A; Foster City, CA 94404; 415-378-6360 or 415-378-6368 (fax)

■ **ColorQuartet CMS-Link**
Scanner that provides IT8 calibration
Macintosh II or larger; System 7.0 or later; ColorQuartet 3.0; 16-bit monitor.

CMS-Link is an option for ColorQuartet that provides IT8 calibration for device-independent color. When users scan, CMS-Link automatically transforms each scanned image from the propriety RGB values of the scanner to device-independent CIE coordinates. The resulting image files can be exchanged between different devices and color handling programs and re-transformed for output on any given imagesetter or proofing system, using the stored output device profiles. CMS-Link also lets users import color management technique of several leading suppliers. Output device profiles from EFIColor, Agfa FotoFlow, Adobe Photoshop and Apple ColorSync can be used in ColorQuartet.
$1,650 retail
ScanView, Inc.; 330 Hatch Dr., Ste. A; Foster City, CA 94404; 415-378-6360 or 415-378-6368 (fax)

■ **ColorTouch**
Photo retouching and image assembly
Macintosh with 68030 or 68040 processor, Quadra 700, 900 or 950; 24 MB of RAM; System 7.0 or later; 19- or 21-inch color monitor.

ColorTouch is unique software packed with extraordinary photo retouching and creative image assembly features, including fine silhouetting, impressive density masking, very soft retouching brushes with progressive undos, powerful state-of-the-art color correction, Multi-Selective color correction, exchange CMYK plates, multiple merging options with ghosting and drop shadows — with a high degree of control over the final result. ColorTouch offers users instant access to very large images without limitation (several hundred MB), with uncompromised professional-quality results.
Call for pricing
The Human Software Co.; PO Box 2280; Saratoga, CA 95070; 408-741-5101 or 408-741-5102 (fax)

DeBabelizer
Automated graphics processing and translation
Macintosh Plus or larger; hard disk drive; System 6.0.7 or later.

DeBabelizer provides automated graphics processing, manipulation and translation and can be used by anyone who creates and/or uses computer graphics. It complements any paint, drawing or image editing software, adding a new collection of functions that enhance the ability to process computer graphics. DeBabelizer automatically recognizes and writes more than 55 different cross-platform, bit-mapped graphics and animation formats. It can read, translate and write files to any bit depth supported by a specific format. DeBabelizer can process a series of graphics documents and/or frames at once (via a custom list of files or folders or an entire hard disk). When used in combination with its own internal scripting function, graphics can be automatically edited, manipulated and/or translated. Many image processing and palette manipulation functions are included. DeBabelizer uses Photoshop acquires, filters and export plug-ins.
$299 retail
$149 each retail; Alias, Softimage or Wavefront formats
$150 retail; CD-I formats
$199 each retail; Digital F/X or Electric Image formats
Equilibrium; 475 Gate Five Rd., Ste. 225; Sausalito, CA 94965; 415-332-4343, 800-524-8651 or 415-332-4433 (fax)

DeBabelizer Lite
Graphics translator
Macintosh Plus or larger; hard disk drive; System 6.0.7 or later.

DeBabelizer Lite automatically recognizes more than 55 different bit-mapped graphics and animation formats. Cross-platform support includes files created by programs on the Macintosh, MS-DOS, Windows, Silicon Graphics, Amiga and other computers and operating systems. Translations can be performed to more than 40 different cross-platform bit-mapped graphics formats. Picture Icons and Picture Previews are created automatically for each image saved. Images can be translated individually or a whole folder of images can be translated at one time. Photoshop (and third party) Acquire, Filter and Export plug-ins are fully supported. DeBabelizer Lite is System 7 compatible and 32-bit clean. It supports drag-and-drop and drag-and-drop of multiple images, AppleScript, System 7 virtual memory and 32-bit mode.
$129 retail
Equilibrium; 475 Gate Five Rd., Ste. 225; Sausalito, CA 94965; 415-332-4343, 800-524-8651 or 415-332-4433 (fax)

Enhance 2.0
Image analysis and enhancement
Macintosh SE/30 or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later; 32-bit Color QuickDraw.

Enhance is an image processing application that combines sophisticated paint, filter and retouching tools for manipulating gray-scale images. In addition to 256 gray levels, Enhance supports 1-bit line art and 16 gray scale images. It uses its own proprietary virtual

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1-800-347-1923

image system, allowing users to open and edit multiple files larger than available memory. The addition of multiple undos provides users with greater flexibility and protects against unwanted mistakes. All paint tools support four degrees of anti-aliasing to help remove jagged edges from brush strokes, text and graphic objects. Also, new masking features allow selections or other documents to be used to isolate areas with variable levels of transparency. Enhance provides a wide variety of high-speed image filters designed to help improve brightness and contrast levels, sharpen and enhance image features or perform interesting special effects. Enhance is System 7 compatible.
$375 retail
MicroFrontier, Inc.; 3401 101st St., Ste. E; Des Moines, IA 50322; 515-270-8109 or 515-278-6828 (fax)

Exposure Pro
Captures and manipulates on-screen images
Macintosh 512KE or larger; System 6.0 or later.

Exposure gives users a full spectrum of choices to help create graphic images of the screen for documentation and advertising. Features include: captures and manipulates on-screen images; integrated color painting and font capability; delivers total creative control for desktop publishing; saves images by name to six different file formats; includes PICT, PICT2, MacPaint and Clipboard formats; activates immediately within any program; permits ease of use with its floating tool palette; includes graphics borders, masks, color and more; provides quick masking with unique window isolation; prints reductions with high-resolution scaling; prints PostScript halftones; and more.
$139.95 retail
Baseline Publishing, Inc.; 1770 Moriah Woods Blvd., Ste. 14; Memphis, TN 38117; 901-682-9676 or 901-682-9691 (fax)

■ **Fastedit For Photoshop 2.5**
Manipulate Photoshop 2.5 images files faster
Macintosh with 68020 processor or larger; 3 MB of RAM; System 6.0.7 or later; hard disk drive.

Fastedit is a plug-in module for use with Adobe Photoshop that allows users to manipulate image files with high speed and productivity. It supports RGB, CMYK, gray-scale and bit-map Photoshop 2.5 file formats. Fastedit gives users the ability to preview, select and open portions of entire Photoshop files. Once editing is complete, the plug-in transparently appends the edited area back into the original Photoshop 2.5 file. It also supports up to 16 alpha channels. Features include a high detail preview image, an indicator showing the size of the edit area in megabytes, user-definable numeric edit area indicators, movable edit area, editable marque and a large preview that measures 2.5 by 3.2 inches.
$239 retail
Total Integration, Inc.; 334 E. Colfax St., Ste. A-1; Palatine, IL 60067; 708-776-2377 or 708-776-2378 (fax)

Fastedit/CT
Allows Photoshop users to manipulate high-resolution Scitex CT image format files
Macintosh with 68020 or larger processor; 3 MB of RAM; hard disk drive; System 6.0.7 or later.

Fastedit/CT is an Adobe Photoshop plug-in module that allows Photoshop users to manipulate high-resolution Scitex CT image format files with higher speed and productivity. Through a unique user interface, this plug-in gives users the ability to open and edit sections of Scitex CT image files. Once editing is complete, the plug-in seamlessly appends the edited areas back into the original file.
$125 retail
Total Integration, Inc.; 334 E. Colfax St., Ste. A-1; Palatine, IL 60067; 708-776-2377 or 708-776-2378 (fax)

Fastedit/DCS
Allows Photoshop users to manipulate DCS image files
Macintosh with 68020 or larger processor; 3 MB of RAM; hard disk drive; System 6.0.7 or later.

Fastedit/DCS is an Adobe Photoshop plug-in module that allows Photoshop users to manipulate DCS (Desktop Color Separation) image files with higher speed and productivity. It supports five file DCS files from Adobe Photoshop and a variety of other sources. Through a unique user interface called Fastedit Technology, this plug-in module gives users the ability to preview, select and open portions of entire DCS files. Once editing is complete, the plug-in transparently appends the edited area back into the original DCS file.
$239 retail
Total Integration, Inc.; 334 E. Colfax St., Ste. A-1; Palatine, IL 60067; 708-776-2377 or 708-776-2378 (fax)

Fastedit/TIFF
Allows Photoshop users to manipulate TIFF image files
Macintosh with 68020 or larger processor; 3 MB of RAM; hard disk drive; System 6.0.7 or later.

Fastedit/TIFF is an Adobe Photoshop plug-in module that allows Photoshop users to manipulate TIFF image files with higher speed and productivity. It supports RGB (red, green, blue), CMYK (cyan, magenta, yellow, black), gray-scale and bit-map TIFF file formats. Through a unique user interface called Fastedit Technology, this plug-in module gives users the ability to preview, select and open portions of entire TIFF files. Once editing is complete, the plug-in transparently appends the edited area back into the original TIFF file.
$239 retail
Total Integration, Inc.; 334 E. Colfax St., Ste. A-1; Palatine, IL 60067; 708-776-2377 or 708-776-2378 (fax)

Fractal Design ColorStudio With Shapes
Color illustration and image assembly
Macintosh LC, II or Quadra; 4 MB of RAM; hard disk drive; 8-bit color video card; 32-bit QuickDraw.

ColorStudio offers professional-quality image assembly. ColorStudio with Shapes merges the power of color imaging and PostScript drawing into a single creative environment. Users can create original images, assemble montages and retouch images. ColorStudio supports the Pantone Matching System. For production artists and pre-press professionals, it supports CMYK and HSV color models. The pre-press capabilities extend to direct handshaking with systems such as Crosfield, Scitex and other devices through 9-track tape drives. For maximum pre-press efficiency, ColorStudio supports a full CMYK mode with access to all plates and image editing in real-time CMYK and the ability to see each plate as a composite on an RGB screen. Reading the densities of the image using the eye dropper tool yields values in the CMYK color palette with an accuracy of 1 percent for imagesetters calibrated to a manufacturer's specifications. Support for Photoshop plug-ins means instant access to all popular scanners and other input/output devices and filters and effects. Output capabilities also include full color PostScript and QuickDraw printers and high-resolution imagesetters. Shapes is a PostScript drawing environment within ColorStudio. With Shapes, users can add type or draw objects right from within ColorStudio; or import any other PostScript graphic, text or illustration. These objects can be merged directly into a user's ColorStudio image with smooth, anti-aliased edges.
$795 retail
Fractal Design Corp.; 335 Spreckels Dr.; Aptos, CA 95003; 408-688-8800 or 408-688-8836 (fax)

■ **GamutCD**
Enhances and restores Photo CD images
Macintosh IIfx, Quadra or Power Macintosh.

GamutCD enhances and restores Photo CD images directly from YCC format. This unique application merges Kodak Photo CD technology with the precision of Candela color transforms to improve any Kodak-scanned Photo CD image. Kodak Photo CD images contain more information than is being used by conventional conversion methods. The images transformed in RGB colors for display on color monitors or used in imaging applications typically have reduced saturation, low shadow detail, overblown highlights or a color cast. GamutCD requires no calibration information of the Photo CD scans and will therefore work with Photo CD images from any source.
Call for pricing
Candela, Ltd.; 1676 E. Cliff Rd.; Burnsville, MN 55337; 612-894-8890 or 612-894-8840 (fax)

Handshake/LW
Reads and writes files in Handshake linework format
Macintosh with 68020 or larger processor; 3 MB of RAM; hard disk drive; System 6.0.7 or later.

Handshake/LW is an Adobe Photoshop plug-in module that will read and write files in Handshake linework format. This plug-in was designed to work in conjunction with products that create or manipulate linework format files, such as Gateway Tools by Scitex Corporation, Ltd., Visionary Interpreter for PostScript by Scitex Corporation, Ltd. and RIPLink by Screaming Technology, Inc., and gives users an economical method to edit, change color areas, trap and utilize all features available for manipulating images in Photoshop. In addition, all file formats that are supported by Photoshop can be opened from and saved to Handshake linework format.
$495 retail
Total Integration, Inc.; 334 E. Colfax St., Ste. A-1; Palatine, IL 60067; 708-776-2377 or 708-776-2378 (fax)

Image Assistant
High-performance color image-editing software
Macintosh II or larger; 5 MB of RAM; System 6.0.7 or later.

Image Assistant is professional-quality color image-editing software. Its automatic tools and "Assist Mode" remove the complexity of current imaging products, while an unsurpassed feature set includes capabilities normally found only with add-on programs. Assist Mode lets users choose just the right effects for an image by looking at sample thumbnails on screen. A user makes all the basic color-editing decisions with their eye rather than with their knowledge of percentages, ratios, etc. Sharpening, color levels and special effects, such as embossing and negating, are all available choices. Multiple levels of undo and redo are also available. The Professional Mode allows users to edit in bi-level, gray scale, RGB or CYMK. It includes shrink-to-fit and magic wand tools, as well as support for pressure-sensitive stylus pads. Users can convert images between color, gray-scale and bi-level tones and access the Pantone color matching system. Automatic Scanning Controls separate graphics from text; crop and rotate photos; remove moiré patterns; and determine whether an image is line art, gray scale or color. Print Sampler prints out a sample of how an image will look with up to nine different settings. Users choose the desired look from the thumbnails in the sampler, and then print one final copy.
$495 retail
Caere Corp.; 100 Cooper Ct.; Los Gatos, CA 95030; 408-395-7000, 800-535-7226 or 408-354-2743 (fax)

Iris/CT
Acquires and exports Iris CMYK FEP image files
Macintosh with 68020 or larger processor; 3 MB of RAM; hard disk drive; System 6.0.7 or later.

Iris/CT is an Adobe Photoshop plug-in module that acquires and exports Iris CMYK FEP (Front End Processor) image files. By adding a PC Ethernet card or removable media drive to the FEP, any Photoshop user can prepare and download files to an Iris FEP for output as an ink jet proof. Also, files that are downloaded can be acquired back into Photoshop for further manipulation, reducing the amount of reprocessing and transfer time from the prepress, PC and Macintosh environment. All file formats supported by Adobe Photoshop can be opened from and saved to Iris FEP image format.
$495 retail
Total Integration, Inc.; 334 E. Colfax St., Ste. A-1; Palatine, IL 60067; 708-776-2377 or 708-776-2378 (fax)

JAG II — Jaggies Are Gone
Smoothes digital images and animations
Any color-capable Macintosh; 4 MB of RAM; hard disk drive; 8- or 24-bit video board recommended; System 6.0.5 or later.

JAG II is a graphics utility that automatically smoothes the jagged edges in digital images. Used in post production, JAG offers creative professionals the ability to improve the quality of images created in paint, photo-retouching and animation or multimedia applications with sophisticated edge detection technology that sharpens and clears the image.
$129 suggested retail

Ray Dream Inc.; 1804 N. Shoreline Blvd.; Mountain View, CA 94043; 415-960-0768 or 415-960-1198 (fax)

Kai's Power Tools 2.0
Generators and filter plug-ins for programs that use plug-in technology
Macintosh Plus or larger; Adobe Photoshop, Fractal Design Painter, Pixel Paint Professional or other plug-in compatible software.

Kai's Power Tools is a set of 33 powerful extensions and filters plug-ins for Adobe Photoshop, Fractal Design Painter and other programs that use plug-in technology. KPT significantly expands the ability to create computer-generated artwork and manipulate scanned images. The filter set features the Gradient Designer, Texture Explorer, Fractal Explorer and Gradients on a Path. Other filters include fractal generators, spherizing, intensity sharpening, hue protected noises and color cycling. Hundreds of editable presets make Kai's Power Tools easy to use. Now version 2.0 provides a quantum leap in speed and capabilities. KPT 2.0 includes an advanced color picker, real-time previews, image extraction preview, keypad control, up to 10 times the performance, more apply modes, new transparency controls and more.
$199 retail
HSC Software; 1661 Lincoln Blvd., Ste. 101; Santa Monica, CA 90404; 310-392-8441 or 310-392-6015 (fax)

Kodak Colorsqueeze v2.0
Image compression software
Macintosh II family; System 6.03 or later.

Kodak Colorsqueeze is image compression software that reduces the cost of storing and transmitting large Macintosh color image files. File are compressed by up to 50 times or more (depending on the amount of detail in the image). The software compresses 24-bit TIFF and PICT files and reconstructs them to their original size when needed. The restored file can be saved in one of the two supported formats, or copied to the Scrapbook or Clipboard. The Kodak Image Compression files include a "thumbnail" representation of the image that can be quickly viewed on the monitor. Users may preview a series of images before selecting one to uncompress. Colorsqueeze also supports QuickTime compression.
$179 retail
Eastman Kodak Co.; Personal Printer Products; 343 State St.; Rochester, NY 14650; 800-233-1650 or 800-233-1647 in NY

Kodak Photo CD Access Plus Software
Lets users use Photo CD images in desktop computer applications
Macintosh II or larger; 4 MB of RAM (8 MB preferred); 4+ MB of hard drive free space (30 MB of disk space for loading full-resolution Photo CD images); QuickDraw; System 6.0.5 or later; CD-ROM XA Mode 2, Form 1 drive to access free Photo CD sampler.

Kodak Photo CD Access Software lets users use Photo CD images in desktop computer applications. The package lets users browse, cut and paste, rotate, crop and export to standard file formats. Features include: view Photo CD images in any of six different resolutions — from thumbnail resolution to preview images to full-detail resolution for photographic-quality printing and enlargement; select and display multiple images; rotate and flip images; export images to a variety of formats; copy, cut and paste images to other applications; choose from color, gray-scale and bitonal applications; view and crop low-resolution images, then export high-resolution images with all changes intact; and work in one color specification, then export to another. It also includes Photo CD Player Software which allows users to playback Kodak PhotoCD Portfolio discs, the new multimedia format that merges Photo CD images with text, graphics and sound.
$49.95 retail
Eastman Kodak Co.; CD Imaging; 343 State St.; Rochester, NY 14650; 716-724-1021 or 800-235-6325

Kodak Photo CD Acquire Module
Enables users to import Photo CD images from Photo CD discs into Photoshop software
Macintosh II or larger; System 6.0.5 or later.

The Kodak Photo CD Acquire Module is a plug-in application designed for use in the Adobe Photoshop program. It enables users to import Photo CD images from Photo CD discs into Photoshop software. With the Photo CD Acquire Module, users can select one of the six Photo CD resolutions, crop the image and adjust brightness, saturation and color balance before loading the image into Photoshop software. The Module provides 21 different conversion metrics for importing the Photo YCC color information. The 21 include a gray-scale conversion, a video RGB conversion and nine "monitor metrics." The monitor metrics are defined by the white point and gamma of the monitors. For color professionals, the ability to select a transform that allows them to tune the image to their monitor is an important step in the color reproduction. The documentation provides users with a list of the most popular computer color monitors and their nominal white point and gamma values to help begin the import process. The Module is easy to install. Once installed, it appears in Photoshop's Acquire submenu, which is accessed via the File menu, just like standard Adobe Photoshop acquire modules.
$59.95 retail
Eastman Kodak Co.; CD Imaging; 343 State St.; Rochester, NY 14650; 716-724-1021 or 800-235-6325

Kodak PhotoEdge Photo CD Software
Lets users access, adjust and enhance high-resolution Photo CD images
Macintosh II or larger; 4 MB of RAM (8 MB preferred); 1 MB of disk space (30 MB of disk space for loading full-resolution Photo CD images); System 6.0.7 or later; CD-ROM XA Mode 2, Form 1 drive to access free Photo CD sampler.

Kodak PhotoEdge Software lets users access, adjust and enhance high-resolution Photo CD images and digital images in other formats. It also lets users copy or export finished images to other desktop publishing applications. Features include: access Photo CD images in any of five different resolutions — from thumbnail resolution for selecting and previewing images to full-detail resolution for photographic-quality resolution printing and enlargement; select from six screen languages (English, French, German, Spanish, Italian and Dutch); display Photo CD contact sheets; convert to 4-, 8- or 24-bit, gray scale, color or bitonal; correct focus and exposure; adjust brightness, contrast and color balance; sharpen or soften photos; zoom, crop, rotate, flip, mirror and change perspective; resize or rescale images; and print, copy or save images to other formats.
$139 retail
Eastman Kodak Co.; CD Imaging; 343 State St.; Rochester, NY 14650; 716-724-1021 or 800-235-6325

Lightning Effects 2.5
Image processing functions within Adobe Photoshop 2.5 accelerated by DSP hardware; full CMYK and image editing possible in real time
Macintosh Plus or larger.

Lightning Effects 2.5 is Adobe Charged, fully compliant with Adobe Photoshop 2.5. The product uses a DSP accelerator to provide up to 20 times performance improvement. All DSP acceleration is available from within the standard Photoshop menus structure. There are no new commands or menus. Lightning Effects supports Apple Real-Time Architecture.
$195 retail; software only
Spectral Innovations, Inc.; 1885 Lundy Ave., Ste. 208; San Jose, CA 95131; 408-955-0366 or 408-955-0370 (fax)

Optix ImagePak
Compression/decompression software
Macintosh II family; System 6.04 or later.

ImagePak is fast CCITT Group IV compression/decompression software available as a set of libraries that software developers can incorporate in their image processing products. On a Macintosh IIfx, typical decompression times range from 1/5 second for a letter-size image to three seconds for an "E" or blueprint size image.
$15,000 U.S. retail; licenses for up to 200 users (larger licenses available)
Blueridge Technologies, Inc.; PO Box 430; Flint Hill Sq.; Flint Hill, VA 22627; 703-675-3015 or 703-675-3130 (fax)

■ **Paint Alchemy**
Adobe Photoshop plug-in
Any color Macintosh; System 6.0.5 or later; Adobe Photoshop 2.0.1 or later (or compatible program accepting plug-in standard).

Paint Alchemy is a standard Adobe Photoshop plug-in that is known for the dramatic, painterly image-processing effects that can be created by applying an infinite variety of filter styles to images. The product ships with 75 pre-set styles, such as Pastel, Ripple, Vortex, Bubbles and Threads, all of which can be customized by varying attributes, such as color, size, angle, transparency and brush shape. The possibilities expand with Paint Alchemy's 36 powerful brushes, which affect images with strokes of various sizes and shapes.
$99 retail
Xaos Tools, Inc.; 600 Townsend St., Ste. 270 East; San Francisco, CA 94103; 415-487-7000 or 415-558-9886 (fax)

PhotoFlash
Fast, easy way to add photos to documents
Macintosh with 68020 processor or larger; 8 MB of RAM (3.5 MB of application RAM); System 7.0 or later.

PhotoFlash simplifies the process of getting photos into documents. It is designed to help users of page layout and presentation software quickly and easily access, enhance and place photos in documents. PhotoFlash has three key components: an integrated browser that simplifies selection of images, unique photo preparation tools that enhance images and scripting capabilities that place images into popular page-layout applications and automate routine tasks. PhotoFlash is optimized to manage digital images. It also comes with integrated image compression technology and a unique selective compression feature that allows users to compress different areas of a photo at different levels. PhotoFlash accepts Adobe Photoshop plug-in modules for special effects, as well as import and export capabilities. It supports a wide variety of file formats, including PICT, TIFF, JPEG, Photo CD, Photoshop, EPS and DCS, and can work with RGB, CMYK or gray-scale images. In addition to optimized file access routines for other formats, PhotoFlash incorporates accelerated Photo CD routines to speed image access. A sampler of color photos is also provided.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

PhotoFusion
Photo compositing software
Macintosh II or larger; 12 MB of RAM allocated to Photoshop; color monitor; Photoshop 2.0 or later; System 7.0 or later.

PhotoFusion is an Adobe Photoshop plug-in Acquire module for doing naturalistic bluescreen image compositing. PhotoFusion achieves results that surpass what can be done with the conventional tools available in Photoshop or other imaging software. Automatic functions allow users to quickly and accurately composite foreground images that contain such things as fine detail, smoke, reflections, transparent objects, shadows and soft edges. PhotoFusion automatically generates a linear mask, which maintains all the foreground detail.
$895 retail
Ultimatte Corp.; 20554 Plummer St.; Chatsworth, CA 91311; 818-993-8007 or 818-993-3762 (fax)

PhotoMatic
Batch processing software for Adobe Photoshop
Macintosh with 4 MB of RAM; AppleScript; Photoshop 2.5.1 or later; System 7.0 or later.

With PhotoMatic, users can now automate and batch process virtually any function within Adobe Photoshop. There is no need to go through the same repetitive steps, file after file, for functions that are applied equally throughout many images. PhotoMatic saves users time and money by automating repeated tasks. PhotoMatic places a "Record" menu in Photoshop, which records virtually all functions in Photoshop, like Unsharp Mask, Mode change, color correction and most special effects, in a "watch me" mode. This PhotoMatic plug-in mode saves all keystrokes and mouse clicks users perform in an AppleScript-compatible file. An advanced user can edit

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these scripts, but no knowledge of scripting is required to get its full benefit. The script is then applied to one image at a time within Photoshop, or a batch of images remotely over the network using PhotoMatic's batch processing software. It gives users the ability to walk away and have all their files processing and waiting for them on the desktop.
$229 retail
DayStar Digital, Inc.; 5556 Atlanta Hwy.; Flowery Branch, GA 30542; 404-967-2077, 800-962-2077 or 404-967-3018 (fax)

■ Photoshop Special Effects How-To
Photoshop problem solver
Macintosh II or larger; Adobe Photoshop.

Users can learn to exploit Adobe Photoshop's potential for graphic and photo manipulation by using channels and filters, creating textures using gradient-based compositing techniques, getting impressionistic art effects and more. With this book and enclosed disk containing custom filters, a special effects "cheat sheet" and more, users will learn hundreds of techniques to create state-of-the-art effects on the Macintosh, as well as how to apply that knowledge to create their own special effects.
$39.95 retail
Waite Group; 200 Tamal Plaza; Corte Madera, CA 94925; 415-924-2575, 800-368-9369 or 415-924-2576 (fax)

The PhotoSpot System
Photoshop plug-in modules that produce spot color separations from 24-bit images
Macintosh Classic II or larger; 2 MB of RAM; hard disk drive; Adobe Photoshop or any software that supports Photoshop plug-ins.

PhotoSpot Software System is used to produce spot color separations from Adobe Photoshop. PhotoSpot creates separate black and white TIFF Photoshop files for each color encountered. Users may optionally choose to generate a separation for white inks or flash screens (used to provide an undercolor print for the entire image). Trapping and dot gain controls are integrated directly into PhotoSpot dialog. The resultant separations can be printed directly from Photoshop or imported into programs such as QuarkXpress, Adlus FreeHand or PageMaker, where colors can be applied to match other elements in the layout. To prepare images for spot-color separation, the PhotoSpot package contains various methods of color reduction: Acetone — which provides a very rapid method of color reduction by automatically remapping the tones in the images to a set of user-specified colors for separation; PaintThinner — that prepares the image by presenting a color preview and reduced palette of the colors contained in the document; and Turpentine — which creates eight color (cyan, magenta, yellow, black, white, red, green and blue) continuous tone images based on a "diffusion imaging model."
$295 retail
Second Glance Software; 25381-G Alicia Pkwy., Ste. 357; Laguna Hills, CA 92653; 714-855-2331 or 714-586-0930 (fax)

PicturePress 2.5
Image handling tools
Macintosh II; 32-bit QuickDraw; 2.5 MB of RAM; System 6.0.7 or later (System 7 required for scripting capabilities).

PicturePress software is a complete set of image handling tools for color imaging professionals, making it faster and easier to work with digital images. It incorporates Storm Technology's JPEG compression technology and enables users to substantially reduce the amount of disk space required to store images, while still maintaining the visual integrity of the image. With PicturePress, users can save from two to 100 times more images on a hard disk. Because compressed files transmit much faster over networks and modems, PicturePress users will also realize substantial savings of both time and money. PicturePress even creates thumbnails and lets users save caption text with images, simplifying management and retrieval of files. PicturePress software includes: a stand-alone, Apple Events-aware application; an Adobe Photoshop plug-in; Frontier Runtime and customizable scripts for batch compression and file conversion; a freeware decompression utility to transmit along with compressed images; QuickTime 1.6; and a system extension to accelerate JPEG operations within QuickTime. PicturePress compression and decompression time will automatically be accelerated two to eight times by a Storm Technology-compatible accelerator card.
$99 retail
Storm Technology; 1861 Landings Dr.; Mountain View, CA 94043; 415-691-6600, 800-275-5734 or 415-691-9825 (fax)

Planet Color
Image compression
Macintosh LC or larger; 4 MB of RAM; System 7.0 or later.

Planet Color is the latest implementation of the revolutionary Fast Eddie compression process, which converts single images, image series and animation from 24 bit to 8 bit (or less) with no loss of image quality, reducing file size by two-thirds. Users can save enormous amounts of precious disk space with this extraordinary new process — without compromising image quality and with no decompression. Planet Color includes palette manipulation tools and full automatic batch processing. It uses virtual memory (disk caching) and reads and writes in standard file formats.
$199 retail
LizardTech; PO Box 2129; Sante Fe, NM 87504; 505-989-7117 or 505-989-9292 (fax)

Pointillist
Stereogram creation
Any gray-scale or larger Macintosh; 2 MB of RAM; System 7.0 or later.

Pointillist is the definitive stereogram creation program for the Macintosh. Users can process PICT files into commercial-grade stereograms of any size or resolution; and create images with up to 256 levels of depth, in color, black and white, gray scale or with their own custom shift patterns. Images containing smooth curved surfaces, spherical shapes and graduated depth levels can easily be generated. Users have complete control over every aspect of creation, including shift pattern, image sub-shift, borders and overlays. A complete manual with tutorial, online help, sample source files and completed stereograms take users through the creation process step by step. Pointillist also ships with more than 40 completed stereograms, three animated stereogram and two screen saver modules that work with After Dark.
$39.95 retail
Pictor GraFX; PO Box 4243; Cerritos, CA 90703; 310-865-0495, 800-388-8586 or 310-865-0495 (fax)

■ ResoLUT PS
Image processing
Macintosh II or larger; 8 MB of RAM; 24-bit color monitor.

Incorporating Scitex image processing technology, ResoLUT PS is a software and hardware (NuBus card) solution. It offers local and selective color correction, detail enhancement, sharpness and image scaling of digital files captured by digital photography, Photo CD, created in desktop applications or imaged on RGB scanners. Users will benefit from full digital color transformations of RGB, YCC (photo CD images) or Leaf HDR (Leaf Digital Camera Back images) formatted files. ResoLUT PS converts these images into high-quality CMYK or RGB, in varying desktop and Scitex formats, including PICT, TIFF, Scitex PSImage, EPSF and Photoshop. With the emergence of Photo CD, multimedia and other digital input technologies, ResoLUT PS ensures users will achieve and maintain optimum color transformation. A set of lookup tables offers users color transformations (RGB-to-CMYK, RGB-to-RGB, YCC-to-RG, and YCC-to-CMYK — ideal for PhotoCD processing) to suit a variety of input and output requirements.
$15,000 retail
Scitex America Corp.; 8 Oak Park Dr.; Bedford, MA 01730; 617-275-5150 or 617-275-3430 (fax)

ScanMatch 2.0
Scanner color calibration software
Macintosh II family with FPU; 24-bit video card; 4 MB of RAM; hard disk drive; 24-bit color flatbed scanner; System 7.0 or later.

ScanMatch is color calibration software for users of desktop scanners. It helps any color or slide scanner produce the best possible image every time, automatically. ScanMatch color corrects the image displayed on the computer's screen to match the scanned original, making it unnecessary to use manual software color correction tools. Features include: automatically matches screen image to scanned original; runs on any Macintosh II series computer with FPU; compatible with Photoshop plug-in scanner drivers; compatible with ColorSync color management system; reads/writes standard PICT2 and TIFF format files; and scanner calibration can be applied in Photoshop via the ScanMatch plug-in filter. ScanMatch is shipped with a Pantone precision color reference target. Additional targets for calibrating slide scanners are available.
$199 retail
Savitar, Inc.; 139 Townsend St., Ste. M100; San Francisco, CA 94107; 415-243-3030 or 415-243-3080 (fax)

ScanTastic ps
Photoshop plug-in for Apple, Epson, Umax and Hewlett-Packard scanners
Macintosh Classic II or larger; 2 MB of RAM; hard disk drive; Adobe Photoshop or any software that supports Photoshop plug-ins.

ScanTastic ps is a scanning module that provides direct access to image scanners from within Adobe Photoshop. Available versions include support for selected scanners from Apple, Epson, Umax and Hewlett-Packard. ScanTastic ps features a unique Icon Bar that provides a simple method for users to choose a resolution based on output requirements with a single mouse click. Other functions include a "live," zoomable preview, automatic image balance and tone curves — all from Photoshop's "Acquire" menu. Also included with the package are: ScanTastic DA, ScanTastic XT and ScanTastic PM; modules that allow direct access to ScanTastic ps from the Apple menu, QuarkXPress and Aldus PageMaker. ScanTastic ADF supports auto-document feeders, allowing batch scans, and can send the images directly to databases, OCR or other image manipulation software via Apple Events.
$99 retail
Second Glance Software; 25381-G Alicia Pkwy., Ste. 357; Laguna Hills, CA 92653; 714-855-2331 or 714-586-0930 (fax)

■ Scitex ColorFill
Automated linework coloring
Macintosh II or larger; 8 MB of RAM; 160 MB free hard disk space.

Scitex ColorFill is an application dedicated to automating time-consuming linework coloring. Scanned linework is quickly colored with flat tints and radial or linear vignettes at any angle. Users have the option of imaging directly to a high-resolution plotter or a Scitex production system for full document assembly. Scitex ColorFill meets the colored linework needs of comic book or newspaper insert publishers, or the complex coloring requirements of technical designers. ColorFill is also available as a stand-alone software package or as a system.
Call for pricing; price may vary within configurations
Scitex America Corp.; 8 Oak Park Dr.; Bedford, MA 01730; 617-275-5150 or 617-275-3430 (fax)

■ Select: Plug-In Filter For Adobe Photoshop
Plug-in filter to perform color retouching and correction
Any Macintosh (FPU required 68K) or Power Macintosh; 12 MB of RAM; Adobe Photoshop.

Select is a Plug-in filter for Adobe Photoshop or other applications supporting CMYK plug-in filters that lets users perform sophisticated color retouching easily and accurately with exclusive color correction features on CMYK pictures, such as a unique Multi-Selective Color Correction and a CMYK Graduation, with controls similar to those available on high-end drum scanners. Users can easily perform truly selective color changes on up to six specific colors without affecting other color densities and eliminates time-consuming masking. Users adjust the strength of their color correction with the selectivity range, apply a global color correction through a four-curves CMYK graduation for a smooth cast removal and fast color enhancement. Users may apply both color correction features within a selected area whenever necessary. For better control, users can preview instantly their changes on a CMYK calibrated display of the original picture and the corrected version, view channel independently, check densities anywhere with a CMYK densitometer

and save their adjustments for further editing and use on other pictures.
$245 retail
The Human Software Co.; PO Box 2280; Saratoga, CA 95070; 408-741-5101 or 408-741-5102 (fax)

Specular Collage 1.0.1
Object-oriented image composition tool
Macintosh with 68020 or faster processor; 4 MB of RAM; hard disk drive; System 7.0 or later.

Specular Collage is an object-oriented image composition tool for Adobe Photoshop that allows the manipulation of high-resolution images in a fraction of the time it takes using present methods. Collage creates screen-resolution "proxies" of imported PICT, TIFF and Adobe Photoshop 2.5 files that can then be moved, re-sized or skewed. The proxies may also be manipulated with a variety of effects, such as automatic drop shadows and feathering and transfer methods. Collage is a page-layout program for images that defines each image element as a separate object, allowing corrections and adjustments to be made quickly and as often as desired. If the source material contains an alpha channel, Collage can automatically use it as a "live" mask. When a high-quality composite is needed, Collage accesses the original high-resolution image and renders the final image.
$349 retail
Specular International; 479 West St.; Amherst, MA 01002; 413-253-3100, 800-433-7732 or 413-253-0540 (fax)

■ **TEC Compression**
Seamless image compression
Macintosh Plus or larger; System 7.0 or later; 4th Dimension 2.2.3 or later; QuickTime 1.0 or later; hard disk drive recommended.

TEC Compression provides users with seamless image compression for 4th Dimension database applications. Compressing large images saves disk space and increases performance of 4th Dimension applications because less data is read from the disk and therefore less data is transferred over the network (in multiuser applications.) TEC Compression utilizes the image compression algorithms available in QuickTime. The design of TEC Compression allows it to automatically utilize graphics accelerators and image compression cards that support QuickTime. TEC Compression may be implemented via external functions and/or 4th Dimension picture drivers. The picture driver mechanism allows the easiest integration of TEC Compression into existing 4th Dimension databases. TEC Compression will automatically compress and decompress the image.
$49.95 per user retail
TEC Solutions; 19672 Stevens Creek Blvd., #169; Cupertino, CA 95014; 408-973-8855 or 408-973-8979 (fax)

■ **Terrazzo**
Tileable textures and patterns
Any color Macintosh; 5 MB of RAM; System 6.0.5 or later; 32-bit QuickDraw 1.2; Adobe Photoshop-compatible application accepting plug-in standard.

Terrazzo is a powerful, interactive Adobe Photoshop plug-in for creating limitless tileable textures and patterns from any source imagery. Terrazzo creates geometrically complex patterns from a choice of 17 symmetries. Because Terrazzo uses the imagery supplied by the users as the source for its patterns, the results are a virtual kaleidoscope of color and pattern in harmony with the original image. The textures and patterns are remarkably beautiful and easy to use in a variety of applications, including background textures for graphic design and multimedia; texture maps or bump maps for 3-D rendering and animation; bold, symmetrical graphic effects; and textile patterns and designs.
$199 retail
Xaos Tools, Inc.; 600 Townsend St., Ste. 270 East; San Francisco, CA 94103; 415-487-7000 or 415-558-9886 (fax)

ThunderWorks For The Apple Scanner
Image editing software
Macintosh Plus or larger; Apple Scanner; System 6.0.7 or later.

ThunderWorks enables the Apple Scanner to scan in 64 levels of gray — four times more than possible before. It can be used to edit images in 256 levels of gray on all Macintosh models, even on Macs without a gray-scale monitor. Commands for optimizing, equalizing and posterizing and an easy-to-use gray-map editor offer a high degree of image control. Images larger than the 8 by 14-inch scan area can be joined, and image filters may be used together or separately to produce special effects.
$149 retail
Thunderware, Inc.; 21 Orinda Way; Orinda, CA 94563; 510-254-6581, 800-628-0693 or 510-254-3047 (fax)

■ **Torqued!FITServer**
Image processor
Macintosh with 68040 processor; 32 MB of RAM; 24-bit color adapter and color monitor.

The Torqued!FITServer software provides a complete solution for networked image processing in Macintosh workgroups. Three aspects make the Torqued!FITServer a powerful tool: real-time distributed editing, which speeds up the rasterizing of Live Picture files for final output, rasterizing and printing. Features include: open and manipulate large files on the desktop quickly; transmit Macintosh print jobs to a RIP for Silicon Graphics rasterization instantly; rasterize Live Picture print jobs when they arrive at the RIP; avoid high cost of purchasing and maintaining dedicated RIP hardware; upgrade RIP platform easily; print directly to a wide variety of imagesetters, proofers, poster printers and film recorders; and RIP and print PostScript files on Silicon Graphics workstation with additional software.
$6,500 retail
Torque Systems, Inc.; 825 Emerson St.; Palo Alto, CA 94301; 415-321-1200 or 415-321-1298 (fax)

Creative/Modeling & Rendering

3D Models
DXF library saves time consumed by model creation
Macintosh Centris or Quadra; 20 MB of RAM; System 7.0 or later.

3D Models is a DXF library that is ready to render. 3D Models saves time consumed by model creation. Distributed in the DXF file format, it can be used with many 3-D modeling or rendering software packages such as; MacroModel, RenderMan, 3D Studio, Form-Z and many others that accept the DXF format. Volume 1 categories include: bookcases, chairs, couches, desks, stools, clocks, lamps, picture frames and tables. Different volumes are available. Volumes are designed to provide a range of stylized models. Located in separate files, models can be modified and imported into any scene to be rendered. A custom modeling service is also available.
$149 to $595 retail
sound/IMAGE; 107 South St., Ste. 605; Boston, MA 02111; 617-350-6030 or 617-350-6039 (fax)

Acuris ClipModel Libraries
Three-dimensional, computer-generated models
Macintosh Plus or larger.

Acuris ClipModel Libraries are three-dimensional, computer-generated models for use with 3-D modeling software. Each ClipModel is ready to render, highly detailed and divided into groups that are individually selectable for colors, texture and movement. For systems that handle articulations, the hierarchy and pivot points are included. Library 1 — Interior, Multimedia & Presentation includes: interior furniture, computer equipment, multimedia equipment and presentation models. Library 2 — Exteriors includes: trees separated into groups of trunk, branches and leaves, exterior furniture and buildings. Library 3 — Geography includes: round, flat and cylindrical maps of the world, United States and Japan, plus a terrain model of Crater Lake. Library 4 — Human Forms Male and Library 6- Human Forms Female are articulated human figures with layers of clothing and nude; a skeleton and mannequin are also provided. Library 5 — Human Forms Faces includes: eight laser-scanned human heads and faces with bit-mapped images.
$395 each retail
Acuris, Inc.; 931 Hamilton; Menlo Park, CA 94025; 415-329-1920, 800-652-2874 or 415-329-1928 (fax)

Alias Sketch!
Freeform three-dimensional illustration and design tool
Macintosh IIci or larger; 8 MB of RAM (20 MB or more recommended); hard disk drive; 32-bit QuickDraw; math coprocessor; System 6.0.7 or later (System 7 recommended).

Alias Sketch! is a freeform three-dimensional illustration and design application. Sketch! provides all the benefits of working in 3D, such as shape creation and manipulation, and the ability to view objects from any perspective. It also automatically calculates real-world lighting, shadows, reflections and textures. Alias Sketch! lets users quickly draw combinations of freeform lines and curves anywhere in 3D space, using a few simple tools, such as the 3D Pencil and the Curve-o-Matic. The Extrude-o-Matic can sweep these lines and curves in any 3D direction, creating fluid, organic shapes. The unique spin Sketch! offers is that any surface, including spheres, extrusions or revolved surfaces, can be used as drawing paper. Its breakthrough 3D perspective workspace and set of natural sketching tools overcomes the technical limitations in existing 2D and 3D software tools. Sketch! is an ideal illustration tool because it works hand-in-hand with popular programs, such as Adobe Illustrator, Aldus FreeHand and Adobe Photoshop. A perspective matching tool lets users match the Sketch! 3D workspace with the perspective of any 2D photograph or bit-map image. This tool provides the ability to sketch directly into an existing photograph with accurate perspective and lighting. Creating a final image for 2D pre-press or DTP applications is easy with Sketch!'s rendering tools. Every quality of rendering is available, from flat shading to photorealistic. Images can be saved as PICT or TIFF, and rendered at high resolution. The Alias Sketch! Idea Catalogs provide visual storage for ideas.
$995 retail
Alias Research, Inc.; 110 Richmond St. E; Toronto, Ontario, Canada M5C 1P1; 416-362-9181, 800-447-2542 or 416-362-4696 (fax)

Atlantis Render
Rendering software
Macintosh math coprocessor; 20 MB of RAM; hard disk drive; color graphic card; native mode on Power Macintosh.

Atlantis Render announces a new era in high-end imaging. Its unique technology offers users significant gains in speed, quality, interface design and ease of use. Using a real-time image preview mode, calculating with ray tracing and several other unprecedented ergonomic innovations, Atlantis Render allows for quick and easy creation and modification of realistic renderings and graphic effects: ray tracing, materials, reflection refraction, textures, shaders and shadow casting. Atlantis Render is specifically targeted for graphic artists, product designers, architects, communication and image production firms. It can be used in conjunction with all 3-D modelers or CAD software which save in DXF or RIB format. It also directly compatible with ArchiCAD 4.5 and Zoom.
$795 retail
Graphisoft; 400 Oyster Point Blvd., Ste. 429; So. San Francisco, CA 94080; 415-266-8720, 800-344-3468 or 415-871-5481 (fax)

BackBurner 1.1
Distributed network rendering system
Macintosh SE/30, II or Quadra; 4 MB of RAM; hard disk drive; 12-inch or larger monitor; AppleTalk-compatible network; System 7.0 or later.

BackBurner is a distributed network rendering system for Infini-D. It significantly reduces the time to render complex Infini-D scenes by distributing the work among Macintoshes on a network. It also provides "crash proof" rendering, suspended renderings, easy backgrounding, a convenient batch mode, a friendly interface, easy installation and configuration, the AutoBurner screen saver and RocketShare compatibility.
$149 retail; includes one engine
$149 retail; engine one-pack
$599 retail; engine five-pack
Specular International; 479 West St.; Amherst, MA 01002; 413-253-3100, 800-433-7732 or 413-253-0540 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

form•Z And form•Z Power
3-D modeling software
Macintosh with 68881 or 68882 math coprocessor; 4 MB of RAM (8 MB recommended); hard disk drive with 8 MB of free space; 32-bit QuickDraw recommended; System 6.0.4 or later. form•Z Power requires Power Macintosh; 8 MB of RAM (16 MB recommended); hard disk drive with 8 MB of free space.

form•Z is a general purpose solid/surface modeler and 3-D CAD system with an extensive set of 2-D/3-D form manipulating and sculpting capabilities. It is an effective design tool for all fields that deal with the articulation of three-dimensional forms. form•z features a highly interactive graphic interface, associated multiple windows, dynamically-generated 3-D solids and surface objects integrated in a single model, post-pick modes, derivative objects, Boolean operations, terrain models, NURBS and curved surfaces, 3-D form editing and sculpting, 2-D/3-D text (TrueType and PostScript), advanced rounding of edges, vertices and combined edges and vertices, a variety of display options in perspective or axometric views, an integrated drafting module, floating point precision, virtually unlimited layers, DXF, PICT, IGES, EPS, RIB, FACT, 3DGB STL and Illustrator import/export facilities, object rounding, 2-D/3-D symbol instances and libraries, English and metric units, online help, numeric input and more capabilities. It is available in 68K and Power Macintosh native versions.
$1,495 retail
auto•des•sys, Inc.; 2011 Riverside Dr.; Columbus, OH 43221; 614-488-8838 or 614-488-0848 (fax)

Infini-D 2.6
Creates photo-realistic computer images and animation
Macintosh II family; 8 MB of RAM; 32-bit QuickDraw/QuickTime; FPU; System 7.0 or later.

Infini-D is a completely integrated modeling, rendering and animation package. Features include: anti-aliasing; shadows; full 32-bit QuickDraw support; fractal, noise and three-dimensional texture mapping; bumped and rippled surfaces; every conceivable shading mode from a flat shade to a raytrace; multiple cameras; infinite white or colored light sources; predefined surface libraries; extended generic primitives; and more. Because of a unique visual animation sequencer, users can animate anything imaginable, including lights, objects, surfaces and cameras.
$695 retail
Specular International; 479 West St.; Amherst, MA 01002; 413-253-3100, 800-433-7732 or 413-253-0540 (fax)

MacroModel 1.5
Three-dimensional modeling program
Macintosh II or larger; 8 MB of RAM; hard disk drive; 32-bit QuickDraw; 8-bit color display (24-bit recommended); System 6.0.7 or later.

MacroModel is a three-dimensional modeling program that combines the CAD-accuracy of spline-based modeling with familiar two-dimensional drawing tools. Users start with two-dimensional objects and extrude, lathe, sweep or skin them into three-dimensional objects. The program provides real-time visualization from any angle for instant, intuitive feedback. System 7 and 32-bit color are supported. MacroModel imports and exports polygon-based objects for compatibility with other modelers, such as Swivel 3D. It supports DXF for CAD compatibility and PICT for DTP. Photorealistic rendering and three-dimensional animation can be added with Macromedia Three-D. Users can render still images with Pixar MacRenderMan. Images can be exported into Authorware Professional applications or Macromedia Director productions. Features new to Version 1.5 are the twist, bend, toper and non-uniform scale tools, cross-section tool, EPSF import and a new tutorial video.
$895 retail
$995 retail; with Pixar's MacRenderMan
$995 retail; with Macromedia Three-D
Macromedia; 600 Townsend St.; San Francisco, CA 94103; 415-252-2000 or 415-626-0554 (fax)

ModelPro 3.0
Three-dimensional spline-based modeler
Macintosh II or Quadra or Power Macintosh; 5 MB of RAM; math coprocessor.

ModelPro is a highly interactive, three-dimensional spline-based modeler. Featuring VIDI's "Digital Clay" interface and Boeleon cut, join and intersect 32-bit QuickDraw; it provides a versatile, responsive and productive 3D modeling environment. ModelPro can import DXF, PICT, PostScript, EPS, Super 3D, VersaCAD, Electric Image FACT and, optionally, IGES. It can export DXF, RenderMan RIB, Super 3D, VersaCAD, Electric Image and Wavefront. It also includes a module that allows StrataVision 3D to import ModelerPro files directly.
$1,195 retail
Visual Information Development, Inc.; 136 W. Olive Ave.; Monrovia, CA 91016; 818-358-3936 or 818-358-4766 (fax)

ModelShop II
Three-dimensional spatial design and presentation software
Macintosh Plus or larger; 2 MB of RAM (4 MB of RAM for color); 32-bit QuickDraw for color; System 6.0.5 or later.

ModelShop II is three-dimensional spatial modeling software. It is easy to use, and offers design and presentation features. Features include: mouse-controlled, animated walk-throughs and fly-bys; Claris CAD and DXF in and out; unlimited light sources with variable color and brightness; shadows cast according to sun position; 24-bit rendering; Bezier or curved surfaces; and quick contour terrain modeling.
$495 suggested retail
Macromedia; 600 Townsend St.; San Francisco, CA 94103; 415-252-2000 or 415-626-0554 (fax)

Pixar Showplace
Make great 3-D RenderMan scenes without modeling
Macintosh II family; floating point coprocessor; 8 MB of RAM; 32-bit QuickDraw color display (24-bit card recommended).

Pixar Showplace is unique Macintosh software that lets users create realistic 3-D scenes without being an expert in modeling or rendering. Users just pick and place pre-designed objects, cover them with any number of wonderful surface appearances, set lights, view the scene from any angle and process a high-impact realistic picture. Showplace contains: MacRenderMan renderer; NetRenderMan, the distributed rendering solution; Amazing Plug-ins (rooms, fractal terrain, venetian blinds); Glimpse, the powerful Looks editor; DXF and Illustrator readers; and new ClipObjects. Showplace will accept image data from any RenderMan-compatible application that outputs RenderMan Interface Bytestream (RIB) files. TIFF and PICT images and PostScript fonts can be imported into Showplace for various uses. Showplace images can be output as TIFF, PICT or EPS files for use with page-layout programs and presentation packages.
$495 retail
$395 retail; CD-ROM version
Pixar; 1001 W. Cutting Blvd.; Richmond, CA 94804; 510-236-4000, 800-888-9856 or 510-236-0388 (fax)

Presenter Professional 3.0
Three-dimensional illustration, rendering and animation
Macintosh II, Quadra or Power Macintosh; 5 MB of RAM (8 MB recommended); System 6.04 or later 32-bit QuickDraw.

Presenter Professional is a complete and versatile three-dimensional multimedia solution that gives users three-dimensional illustration, rendering and animation in one integrated package. It introduces "Digital Clay" sculpting, anti-aliasing, smooth shading, dynamic key framing, texture mapping and three-dimensional titling and logos; and provides support for ray tracing, shadows, freeform three-dimensional design, Pixar RenderMan and RISC processors. Presenter Professional can be used to create impressive full-color images and dynamic animations. These can be presented on screen or paper, or as 35mm slides, overhead displays or video presentations. Presenter Professional can also be used to add a professional touch to images modeled in other two- and three-dimensional packages. Formats supported include DXF, PICT, PostScript, RenderMan RIB, Super 3D, VersaCAD, MacDraw, SuperPaint, MacBravo! IGES, StrataVision, ElectricImage and Wavefront.
$1,995 retail
Visual Information Development, Inc.; 136 W. Olive Ave.; Monrovia, CA 91016; 818-358-3936 or 818-358-4766 (fax)

Ray Dream Designer 3.0
Three-dimensional illustration
Any color-capable Macintosh; 12 MB of RAM; hard disk drive; 8- or 24-bit video board recommended; 32-bit QuickDraw 1.2 or later; System 6.0.7 or later.

Ray Dream Designer is a three-dimensional illustration tool for color publishing. Using drawing tools familiar to users of Aldus FreeHand and Adobe Illustrator, dimensional objects can be designed quickly. Ray Dream Designer automatically handles the complex details of building color 3-D illustrations — perspectives, subtle shadows, lighting effects, textures and reflections. Ray Dream Designer has been designed with an open architecture for future product expansion with animation, special effects and modeling extensions by Ray Dream and third parties.
$349 suggested retail
Ray Dream Inc.; 1804 N. Shoreline Blvd.; Mountain View, CA 94043; 415-960-0768 or 415-960-1198 (fax)

■ **Ray Tracing For The Macintosh CD**
Explore ray tracing
Macintosh with 68020 CPU or larger; 4 MB of RAM; System 6.0 or later; 5 MB of free hard disk space; CD-ROM (optional).

Ray Tracing for the Macintosh CD teaches the average Macintosh user how to create both photorealistic and surrealistic images with ray tracing. This book/CD-ROM package provides enough tools to keep users turning out beautiful 3-D pictures, including animations. The enclosed disk contains POV-Ray. The CD-ROM contains an interactive reference that lets users look up any POV-Ray command and immediately see how it looks in a QuickTime movie. Power users will appreciate the full Macintosh POV-Ray 2.0 source code and compiling instructions.
$32.95 retail
Waite Group; 200 Tamal Plaza; Corte Madera, CA 94925; 415-924-2575, 800-368-9369 or 415-924-2576 (fax)

RB2Swivel
Three-dimensional modeler and renderer
Macintosh with 68020 or larger processor (Quadra or Centris); math coprocessor; 8 MB of RAM.

RB2Swivel, a special version of Swivel 3D, used by VPL Virtual Reality systems, is now available in conjunction with Body Electric for use on the Macintosh Centris and Quadra. Special features of RB2Swivel allow the import and export of 3-D scenes to Body Electric. Automatic generations of images from fly-through and movements can be recorded and played back with various drivers available on the market. Swivel 3D was licensed by VPL to Macromedia.
$500 retail
$300 retail; license extension to multiple processors
VPL Research Inc.; 3977 E. Bayshore Rd.; Palo Alto, CA 94303; 415-988-2550 or 415-988-2557 (fax)

RenderPro 2.5
Increases StrataVision 3D and Studio Pro speed when rendering images or animations
Macintosh II family, LC, SE/30 or larger with FPU; hard disk drive; StrataVision 3D.

RenderPro 2 gives StrataVision 3D users remarkable speed improvements when rendering images or animations. RenderPro 2 quietly resides as a startup application on networked Macintosh computers. When the command "render-using-RenderPro" is made from StrataVision 3D, all available RenderPro 2s are recruited into action, delivering minuteman imaging response.
$295 retail
$695 retail; three pack
$1,495 retail; 10 pack
Strata Inc.; 2 W. Saint George Blvd., Ste. 2100; St. George, UT 84770; 801-628-5218, 800-869-6855 or 801-628-9756 (fax)

Rend•X
File converter
Macintosh II family, LC, SE/30 or larger with FPU; 4 MB of RAM; hard disk drive; StrataVision 3D 2.6 or

later; renderer that imports RIB file format; System 6.0.5 or later.

Rend•X was created for people who enjoy the modeling and scene composition of StrataVision 3D, yet want to access the power of Pixar's RenderMan products to create special effects, like motion blur, depth of field, displacement shaders and more. Rend•X gives users the ability to combine StrataVision 3D, RenderMan, Valis and their own custom textures and shaders all in the same image. Rend•X is a file converter. Its sole purpose is to create RIB files. Much like the "Save As..." command in many applications that allow users to save a document or file in a variety of formats, Rend•X saves a StrataVision 3D model as a RIB file that can be imported into RenderMan-supported products. This allows users the ability to use special features and capabilities associated with RenderMan products not currently available in StrataVision 3D.
$299 retail
Strata Inc.; 2 W. Saint George Blvd., Ste. 2100; St. George, UT 84770; 801-628-5218, 800-869-6855 or 801-628-9756 (fax)

Sculpt 3D V4.0
Three-dimensional design and visualization software for industrial designers, architects, graphics artists and illustrators
Macintosh II, Performa, Centris, Quadra or PowerPC family; 8 MB of RAM; 40 MB hard disk drive; math coprocessor; 8/16/24/32-bit color display; System 7.0 or later.

Sculpt 3D is a fully-capable 3-D modeler and ray trace renderer. Sculpt 3D is a complete design system that combines vertex, spline, NURBS and Boolean-based surface modeling, materials editing, texture mapping and photorealistic rendering in a single integrated application. It offers unparalleled power, flexibility and control, enabling users to build any model without compromise. And with Sculpt's trimming functions, diabolically complex object intersections are easily performed as simple scoops, fillets and trims. Images can be rendered as wire-framed, flat shaded, Phong shaded or ray traced. Sculpt's incredibly fast ray trace renderer allows users to create razor sharp, fantastically clear images. To achieve this level of realism, Sculpt provides users with the same depth of control as it does in its modeler. Users can apply an unlimited number of custom textures to any surface using the surface shaders built into Sculpt, or by mapping images designed in paint programs or captured with a color scanner. Sculpt 3D runs native on the PowerPC.
$2,995 retail
Byte by Byte Corp.; 8920 Business Park Dr., Ste. 330; Austin, TX 78759; 512-795-0150 or 512-795-0021 (fax)

Sculptor 4.0
Three-dimensional design and visualization software for industrial engineers, architects, graphics artists and illustrators
Macintosh II, Performa, Centris, Quadra or PowerPC family; 8 MB of RAM; 40 MB hard disk drive; math coprocessor; 8/16/24/32 bit color display; System 7.0 or later.

Sculptor is a full-featured 3-D modeler with vertex, spline, NURBS and Boolean-based editing. It is the only modeler on the Macintosh that will construct absolutely anything, to an arbitrary level of detail and precision. And with Sculpt's trimming functions, diabolically complex object intersections are easily performed as simple scoops, fillets and trims. Sculptor can render images as wireframe, flat shaded or Phong shaded with excellent anti-aliasing. Sculptor is an ideal entry into the world of 3-D modeling. It can be used as a stand-alone modeler or as a front-end modeler for other 3-D systems. Sculptor runs native on PowerPC.
$1,995 retail
Byte by Byte Corp.; 8920 Business Park Dr., Ste. 330; Austin, TX 78759; 512-795-0150 or 512-795-0021 (fax)

StrataVision 3D 3.1
Three-dimensional modeling, scene composition, rendering and animation
Macintosh II family, LC, SE/30 or larger with FPU, Quadra or Power Macintosh; 5 MB of RAM; hard disk drive; System 7.0 or later.

StrataVision 3D is a computer-aided illustration program that allows users to create photo-realistic, three-dimensional scenes using Apple's 32-bit color QuickDraw. Users can create objects using the program's modeling tools or by importing and editing objects from StrataVision libraries and other three-dimensional formats, including Super 3D, DXF, Swivel 3D and IGES. Two-dimensional objects may be lathed, extruded and swept. Newest features include alpha channel support, improved ray tracing memory, better environment handling and export of EPS format. Users can add unlimited light sources of varying type, color, intensity and direction, or use light sources as image projectors. StrataVision 3D includes ray tracing, Phong, Gouraud and flat-shaded and Ray Painting, rendering in one- to 32-bit color. Rendering options include transparency, refraction, shadows, transparent shadows, reflectivity, anti-aliasing, smooth shading, color halftoning, image mapping, texture mapping and more. The program is also compatible with QuickTime technology, allowing users to read, cut, paste, play, create and save QuickTime movies. The program supports color printers, film recorders or video at full resolution. Images can be saved in PICT or TIFF format. Users can export models as DXF files for import to other software packages.
$695 retail
Strata Inc.; 2 W. Saint George Blvd., Ste. 2100; St. George, UT 84770; 801-628-5218, 800-869-6855 or 801-628-9756 (fax)

Swivel 3D Professional 2.0.4
Three-dimensional object design and modeling
Macintosh II or Quadra family; 5 MB of RAM (8 MB recommended); hard disk drive; 8- or 24-bit color display; System 6.0.5 or later.

Swivel 3D Professional is three-dimensional design, modeling and animation software. It is a powerful blend of high-end technology and streamlined interface design. Features include: workstation-level graphics, including super-fast smooth shading, environment mapping and 24-bit color; Paint, Draw, EPSF, DXF and PICS output to popular illustration, CAD and multimedia programs; and unique hierarchical linking and three-dimensional animation. Swivel 3D Professional is System 7 compatible.
$495 retail
Macromedia; 600 Townsend St.; San Francisco, CA 94103; 415-252-2000 or 415-626-0554 (fax)

TREE
Generates three-dimensional tree models and renders photorealistic trees
Macintosh with FPU; 2 MB of RAM; 640 by 480 pixels or larger color monitor; 8-bit display card; 32-bit QuickDraw; System 6.0.5 or later.

TREE is a 3-D modeling and rendering program that models and renders trees. It implements parametric variation of tree structure, color and geometry of branches and color and geometry of foliage. By adjusting the values of parameters, the user can generate different tree types, infinite variations of the same tree type, trees in different stages of growth and trees in different seasons. Once it is generated, the tree can be exported as a 3-D DXF or PICT file to CAD, rendering, animation and imaging programs. The extensive library of trees contains a wide variety of ready-to-use broadleaves and conifers. The library can be expanded with additional trees custom made by the user. The software has an exquisite user interface and extremely fast rendering engine. TREE supports 3-D DXF and PICT file formats.
$149 retail; TREE 2D
$695 retail; TREE Professional
$129 retail; TREE Library
Onyx Computing, Inc.; 10 Avon St.; Cambridge, MA 02138; 617-876-3876 or 617-868-8033 (fax)

VG Shaders And VG Looks
Smart three-dimensional surfaces for RenderMan-compatible products
Macintosh IIfx; 8 MB of RAM; 24-bit display; RenderMan or MacRenderMan; RIB modeler.

VG Shaders and VG Looks are smart three-dimensional surfaces designed to let users achieve true photorealism with Pixar's Typestry for fonts, Showplace for scene layout and other RenderMan-compatible modelers, animation and design products. VG Shaders and VG Looks are not flat texture maps; they are procedural (mathematically-based) descriptions of materials or other phenomenon based on the RenderMan Shading Language. A shader lets users turn a simple shape like a cylinder into a well made out of stones or bricks, each individually carved in 3D.

Prime RIB is a collection of 215 three-dimensional shapes for building objects in Showplace. It also comes bundled with PickTure — Visual File Selector, which when installed with Showplace, can display a pre-rendered miniature image of each Prime RIB object.

ColorMinder is a tool for viewing the colors selected in a shader and editing them seamlessly.

ShaderDetective is a tool for changing shader parameters and previewing the results.
$345 retail; VG Shaders and VG Looks
$250 retail; Prime RIB and PickTure
$95 retail; ShaderDetective and ColorMinder
The Valis Group; 2270 Paradise Dr.; Tiburon, CA 94920; 510-236-4124 or 510-236-0388 (fax)

Virtus WalkThrough Pro
Three-dimensional drawing and visualization program; includes real-time texture mapping
Macintosh II or larger; 8 MB of RAM; System 6.0.4 or later.

Virtus WalkThrough Pro is a 3-D rendering and visualization program that allows for real-time texture mapping and the incorporation of QuickTime movies as surface features. Its easy-to-learn interface provides a 2-D window where users design their models and a walk window where objects are instantaneously rendered in 3-D. After a scene has been modeled, users can tour and view it from any perspective by navigating with a mouse. Virtus WalkThroughPro adds life to any multimedia presentation. It is used around the world by movie and theater directors and set designers, architects and other creative professionals.
$395 retail
Virtus Corp.; 117 Edinburgh S, Ste. 204; Cary, NC 27511; 919-467-9700, 800-847-8871 or 919-460-4530 (fax)

Virtus WalkThrough V1.1
Three-dimensional drawing and visualization program
Macintosh Plus or larger; 4 MB of RAM.

Virtus WalkThrough is a three-dimensional drawing and visualization program that lets users walk through their ideas. It provides all the tools, including import and export capabilities, that are needed to create and modify three-dimensional drawings. With its intuitive user interface, Virtus WalkThrough is easy to learn; users often model within minutes of installing the program. Users draw in a two-dimensional window, then instantly see their designs rendered in a 3-D walk window where they can tour their newly created virtual environment in realtime.
$195 retail
Virtus Corp.; 117 Edinburgh S, Ste. 204; Cary, NC 27511; 919-467-9700, 800-847-8871 or 919-460-4530 (fax)

Zoom 4.02
3-D design and rendering
Macintosh II; 5 MB of RAM; hard disk drive; math coprocessor; color graphic card; native mode on Power Macintosh.

Zoom is a complete design tool for high-quality product presentation. Its floating-point precision and easy-to-use interface make Zoom a high-end conceptual design and visualization tool for product, industrial and interior designers, as well as architects and graphic artists who need sophisticated and accurate three-dimensional models. Zoom has a complete set of parametric two- and three-dimensional solid and surface design tools, including extrusion, prisms, spheres, lathing, piping, depression/bump, Boolean operators, Gordon, Coons and ruled surfaces, etc. Zoom and Focus have rendering engines simulating true material qualities and can also translate the models in Atlantis Render Software. Zoom and Focus open files in DXF, PICT, Text, Rib and PICS formats and support QuickTime in 8- and 24-bit color modes.
$1,495 retail
$375 retail; student version
Graphisoft; 400 Oyster Point Blvd., Ste. 429; So. San Francisco, CA 94080; 415-266-8720, 800-344-3468 or 415-871-5481 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

Creative/Music

Ballade For Macintosh
Allows users to record, playback and print out sheet music
Macintosh Classic or larger; 1 MB of RAM; hard disk drive; MIDI interface; MIDI keyboard or sound module; System 6.0.7 or later.
$99.95 retail
Dynaware USA, Inc.; 950 Tower Ln., Ste. 1150; Foster City, CA 94404; 415-349-5700 or 415-349-5879 (fax)

The Best Of MIDI Connection
MIDI sequences
Macintosh Plus or larger; 1.6 MB of RAM; sequencer software; CD-ROM drive.
$49.95 retail; two-disc set
Metatec Corp./Nautilus; 7001 Discovery Blvd.; Dublin, OH 43017; 614-766-3182, 800-637-3472 or 614-761-4110 (fax)

Bogas Instrument Disks
Sound disks
Macintosh 512K or larger; Super Studio Session, SSMU or Jam Session.
$19.95 each retail
Bogas Productions; 751 Laurel St., #213; San Carlos, CA 94070; 415-592-5129 or 415-592-5196 (fax)

Chord Quiz Deluxe
Tests formation of common-practice chords
Macintosh Plus or larger; hard disk drive; HyperCard 1.2.2 or 1.2.5.
$18.75 U.S. retail; $24 Canadian retail; overseas add $1 U.S.
Prof. Paul Rapoport; 7 Cradock Ct.; Ancaster, Ontario, Canada L9G 3Z5; 416-648-2181

ConcertWare
Music composition and arrangement package
Macintosh Plus or larger; 1 MB of RAM; System 7 or later; hard disk drive; MIDI adapter and MIDI instrument recommended.
$159 retail
Jump! Software, Inc.; 800 El Camino Real, Ste. 180; Mt. View, CA 94040; 415-903-2295 or 415-903-2289 (fax)

ConcertWare Pro
Notation and real-time transcription program
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0 or later; MIDI adapter and MIDI instrument recommended.
$339.95 retail
Jump! Software, Inc.; 800 El Camino Real, Ste. 180; Mt. View, CA 94040; 415-903-2295 or 415-903-2289 (fax)

Cubase 2.5
Desktop MIDI recording system
Macintosh Plus or larger; 4 MB of RAM; standard MIDI interface; System 6.0.7 or later.
$495 U.S. retail
Steinberg; 17700 Raymer St., Ste. 1001; Northridge, CA 91325; 818-993-4091 or 818-701-7452 (fax)

Cubase Audio 2.0
MIDI/digital audio recording and editing system
Macintosh IIci; 8 MB of RAM; Digidesign Audiomedia (1, 2, LC), Sound Tools (1, 2) or Pro Tools hardware.
$995 U.S. retail
Steinberg; 17700 Raymer St., Ste. 1001; Northridge, CA 91325; 818-993-4091 or 818-701-7452 (fax)

Cubase Lite
Entry-level MIDI sequencer and score printing program
Macintosh Plus or larger; 2 MB of RAM; MIDI interface; System 6.0.7 or later.
$149 U.S. retail
Steinberg; 17700 Raymer St., Ste. 1001; Northridge, CA 91325; 818-993-4091 or 818-701-7452 (fax)

Deck II 2.1
Digital audio workstation software
Macintosh Centris 660AV, Quadra 840AV or II family with Digidesign Audiomedia, Sound Tools II or Pro Tools.
$399 retail
OSC; 480 Potrero Ave.; San Francisco, CA 94110; 415-252-0460, 800-343-3325 or 415-252-0560 (fax)

Digital Performer 1.4
Combines CD-quality digital audio with MIDI sequencing
Macintosh II or larger; 5 MB of RAM.
$895 retail
Mark of the Unicorn, Inc.; 1280 Massachusetts Ave.; Cambridge, MA 02138; 617-576-2760 or 617-576-3609 (fax)

Disc-To-Disk
CD Audio recording software
Macintosh Plus or larger; 5 MB of RAM; SCSI hard disk drive; CD-ROM drive (Sony CDU-561, Toshiba 3401; Toshiba 4101, NEC3X family or AppleCD 300 family); System 6.0.2 or later.
$199 retail
Optical Media International; 180 Knowles Dr.; Los Gatos, CA 95030; 408-376-3511, 800-347-2664 or 408-376-3519 (fax)

Easy Music Starter Kit
Complete electronic tool kit
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; MIDI instrument; MIDI cables; System 6.0.7 or later.
$299.95 retail
Opcode Systems, Inc.; 3950 Fabian Way, Ste. 100; Palo Alto, CA 94303; 415-856-3333 or 415-856-3332 (fax)

Edit One
Industry standard editor/librarian
Macintosh Plus or larger; 2 MB of RAM; MIDI interface; MIDI device.
$149.95 retail
Opcode Systems, Inc.; 3950 Fabian Way, Ste. 100; Palo Alto, CA 94303; 415-856-3333 or 415-856-3332 (fax)

Encore
MIDI music notation and composing software
Macintosh Plus or larger; hard disk drive; MIDI interface.
$595 retail
Passport Designs, Inc.; 100 Stone Pine Rd.; Half Moon Bay, CA 94019; 415-726-0280 or 415-726-2254 (fax)

ExampleKrafter
Musical typesetting software
Macintosh 512K or larger; ImageWriter, LaserWriter or Linotronic.
$49.95 retail; ExampleKrafter 3.2
$64.95 retail; Shape Notes 2.1
$49.95 retail; LuteKrafter 2.0
$139.95 retail; PrintKrafter 2.0
MusiKrafters Music Services; PO Box 14124; Louisville, KY 40214; 502-361-4597

EZ Vision
MIDI music software
Macintosh Plus or larger; MIDI interface; MIDI synthesizer.
$99.95 retail
Opcode Systems, Inc.; 3950 Fabian Way, Ste. 100; Palo Alto, CA 94303; 415-856-3333 or 415-856-3332 (fax)

Finale 3.0.1
Music transcription and publishing software; MIDI compatible
Macintosh Plus or larger; hard disk drive; ImageWriter, Laser or PostScript printer.
$749 retail
$249 retail; academic
Coda Music Technology; 6210 Bury Dr.; Eden Prairie, MN 55346; 612-937-9611, 800-843-2066 or 612-937-9760 (fax)

Galaxy Plus Editors
Universal librarian with integrated editors
Macintosh Plus or larger; 4 MB of RAM; MIDI interface; MIDI synthesizer or module.
$399.95 retail
Opcode Systems, Inc.; 3950 Fabian Way, Ste. 100; Palo Alto, CA 94303; 415-856-3333 or 415-856-3332 (fax)

Galaxy — The Universal Librarian
Universal librarian music software
Macintosh Plus or larger; 2 MB of RAM; MIDI interface; MIDI synthesizer or module.
$249.95 retail
Opcode Systems, Inc.; 3950 Fabian Way, Ste. 100; Palo Alto, CA 94303; 415-856-3333 or 415-856-3332 (fax)

Jam Session
Music performance program
Macintosh Plus or larger.

Jam Session allows users to play along with songs made famous by their favorite artists, such as Aerosmith ("Dude [Looks Like a Lady]"), The Police ("Roxanne"), Santana ("Black Magic Woman"), ZZ Top ("Sharp Dressed Man"), Peter Gabriel ("Sledge-hammer"), Elton John ("Crocodile Rock"), The Kinks ("You Really Got Me"), The Cars ("Let's Go"), Garth Brooks ("Rodeo"), Ritchie Valens ("La Bamba"), The Grateful Dead ("Sugar Magnolia") and more. The program provides on-screen animated musicians who play and animate along with the songs. Users become a member of the band by hitting any key on the keyboard and playing riffs and chords that make them sound like they've been playing their whole life. No matter which key a user strikes, they sound great. Five color and five black and white animated scenes are included.
$59.95 retail
Bogas Productions; 751 Laurel St., #213; San Carlos, CA 94070; 415-592-5129 or 415-592-5196 (fax)

Jam Session Classic Songs
Additional animated scenes and 10 songs for use with Jam Session
Macintosh Plus or larger.
$29.95 retail
Bogas Productions; 751 Laurel St., #213; San Carlos, CA 94070; 415-592-5129 or 415-592-5196 (fax)

Jump: The David Bowie Interactive CD-ROM
Interactive music video editing adventure
Macintosh LC III (68030/25 MHz) or larger; 5 MB of RAM; hard disk drive; 640 by 480 by 256 color display; System 7.0 or later; CD-ROM drive (double speed recommended).
$49.95 retail
ION; 11845 W. Olympic Blvd., Ste. 1050; Los Angeles, CA 90064; 310-312-8062 or 310-312-8060 (fax)

Lime
Music notation program
Macintosh Plus or larger; 2 MB of RAM; System 6.0 or later; MIDI optional (MIDI interface, MIDI keyboard, MIDI sound module).
$295 retail
$695 retail; lab packs
$1,400 retail; network license
$2,000 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Listen
Interactive ear training
Macintosh Plus or larger.
$99 retail
Imaja; PO Box 6386; Albany, CA 94706; 510-526-4621, 800-294-6252 or 510-559-9571 (fax)

M
Interactive composing and performing environment
Macintosh Plus or larger.
$199 retail
Dr. T's Music Software; 124 Crescent Rd., Ste. 3; Needham, MA 02194; 617-455-1454 or 617-455-1460 (fax)

MacTunes
Music composition, notation
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; HyperCard 2.1.
$39 retail
$195 retail; lab pack
First Wave, Inc.; 9449 N. 90th St., Ste. 213; Scottsdale, AZ 85258; 602-860-4300 or 602-860-2501 (fax)

Master Tracks Pro 5
Professional MIDI sequencing program
Macintosh Plus or larger; Passport MIDI interface card or compatible; one or more MIDI-equipped instruments.
$395 retail
Passport Designs, Inc.; 100 Stone Pine Rd.; Half Moon Bay, CA 94019; 415-726-0280 or 415-726-2254 (fax)

Max
Object-oriented programming environment
Macintosh Plus or larger.
$395 retail
Opcode Systems, Inc.; 3950 Fabian Way, Ste. 100; Palo Alto, CA 94303; 415-856-3333 or 415-856-3332 (fax)

MaxDsp 56K Developers Kit
Enhances and compliments Opcode's Max Environment, MPW and Motorola's DSP56001
Macintosh II.
$300 retail; license agreement required
Office of Technology Licensing; University of California, Berkeley; 2150 Shattuck Ave., Ste. 510; Berkeley, CA 94704; 510-643-7201 or 510-642-4566 (fax)

MiBAC Jazz Improvisation Software
MIDI software for playing and studying jazz
Macintosh Plus or larger; two disk drives; MIDI interface and MIDI synthesizers; System 6.0 or later.
$125 retail
MiBAC Music Software; PO Box 468; Northfield, MN 55057; 507-645-5851 or 507-645-2377 (fax)

MiBAC Music Lessons
Music theory
Macintosh Plus or larger; System 6.0 or later.
$119 retail
MiBAC Music Software; PO Box 468; Northfield, MN 55057; 507-645-5851 or 507-645-2377 (fax)

The Miracle Piano Teaching System
Digital piano
Macintosh Plus or larger; 2 MB of RAM (3 MB for color); hard disk drive; System 6.0.5 or later.
$499.95 retail
The Software Toolworks; 60 Leveroni Ct.; Novato, CA 94949; 415-883-3000, 800-234-3088 or 415-883-3303 (fax)

Mosaic 1.3
Music notation publishing software
Macintosh LC or larger; 2 MB of RAM.
$595 retail
Mark of the Unicorn, Inc.; 1280 Massachusetts Ave.; Cambridge, MA 02138; 617-576-2760 or 617-576-3609 (fax)

Music Mouse — An Intelligent Instrument V2.04
Software musical instrument and MIDI controller
Any Macintosh; MIDI recommended, but not necessary.
$79 retail
Dr. T's Music Software; 124 Crescent Rd., Ste. 3; Needham, MA 02194; 617-455-1454 or 617-455-1460 (fax)

Musical Set Complete 1.0.1
Assists composers who work with musical set-classes while writing post-tonal music
Macintosh 512KE or larger; System 4.1 or later.
$19 retail; specify type of Macintosh and processor type used
$2 retail; demonstration version and complete documentation
Esoteric Software; PO Box 744; Falls Church, VA 22040; 703-532-6981 or 800-217-5051 (orders)

Musicshop
Software music recording studio with notation printing
Macintosh Plus or larger; 2 MB of RAM; MIDI interface; MIDI synthesizer.
$149.95 retail
Opcode Systems, Inc.; 3950 Fabian Way, Ste. 100; Palo Alto, CA 94303; 415-856-3333 or 415-856-3332 (fax)

MusicTime
Desktop music composing and notation software
Macintosh Plus or larger.
$249 retail
Passport Designs, Inc.; 100 Stone Pine Rd.; Half Moon Bay, CA 94019; 415-726-0280 or 415-726-2254 (fax)

Nightingale
Music composition/notation
Macintosh Plus or larger; 3 MB of RAM.
$495 retail
Temporal Acuity Products; 300 120th Ave. NE, Bldg. 1, Ste. 200; Bellevue, WA 98005; 206-462-1007, 800-426-2673 or 206-462-1057 (fax)

On•The•Air
Integrated broadcasting system
Macintosh II, Centris or Quadra; 8 MB of RAM; Digidesign audio interface or Quadra 840AV; System 7.0 or later.
$995 retail; Digidesign version
$595 retail; Sound Manager version
Softron Media Services; Passage Saint-Honoré, 16; 1000 Brussels, Belgium; 32-2-217-76-24 or 32-2-219-19-77 (fax)

OvalTune
Creates audiovisual performances
Macintosh Plus or larger; hard disk drive; System 6.0.2 or later.
$79 retail
Dr. T's Music Software; 124 Crescent Rd., Ste. 3; Needham, MA 02194; 617-455-1454 or 617-455-1460 (fax)

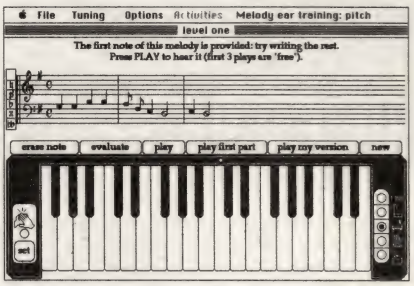
Performer 4.2
MIDI sequencer software
Macintosh Plus or larger; 4 MB of RAM recommended.
$495 retail
Mark of the Unicorn, Inc.; 1280 Massachusetts Ave.; Cambridge, MA 02138; 617-576-2760 or 617-576-3609 (fax)

■ Poor Man's Ear-Training Package 1.0
Scaled-down interval recognition
Macintosh 512K or larger; System 4.1 or later; Deluxe Music Construction Set 1.0.
The Poor Man's Ear-Training Package contains three program modules that create files that can be imported by Deluxe Music Construction Set (DMCS) 1.0 or later. It is during playback mode (using DMCS) that users practice ear training. N_Mel creates mono-rhythmic "melodies" chosen from amongst the intervals users specify. N_Dyads creates a set of mono-rhythmic two-note chords chosen from amongst the intervals users ask to be included in them. Finally, Simuls creates a set of mono-rhythmic chords of up to six notes each, such that the created chords are selected from the set-classes specified by users (set-classes are extremely flexible and allow for a wide variety of traditional and non-traditional chord types). MIDI is strongly recommended. It is Power Macintosh compatible.
$9 retail
Esoteric Software; PO Box 744; Falls Church, VA 22040; 703-532-6981 or 800-217-5051 (orders)

■ Poor Man's Sequencer
Scaled-down MIDI sequencer
Macintosh 512KE or larger; System 4.1 or later; MIDI.
Poor Man's Sequencer can read and play standard MIDI files and create MIDI files based on what is played at the keyboard. A patch program from Esoteric Software makes the Type 1 MIDI files created by it compatible with some other commercial sequencers so that others can listen to the MIDI file performers. It is bundled with Poor Man's System Exclusives.
Free
Esoteric Software; PO Box 744; Falls Church, VA 22040; 703-532-6981 or 800-217-5051 (orders)

■ Poor Man's System Exclusives
Synthesizer utility
Macintosh 512KE or larger; System 4.1 or later; MIDI.
This free application is probably readily available online and allows uploads and downloads of system exclusive data between a Macintosh and a synthesizer or sound sampler. A synthesizer patch or group of patches (not exceeding 128K) can be saved to disk for later use. Downloading to the Macintosh is initiated from a controller or from the front panel of the device itself. A MIDI through option allows a controller to play another device or to initiate a download from another device.
Free
Esoteric Software; PO Box 744; Falls Church, VA 22040; 703-532-6981 or 800-217-5051 (orders)

Practica Musica 2.6
Music fundamentals training with textbook
Macintosh Plus or larger.



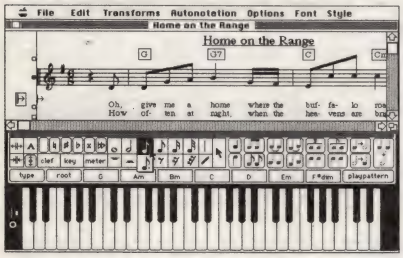
Practica Musica is a comprehensive tool for ear training and music theory. Its wide range of activities and varied levels of difficulty make it useful both to beginners and to trained musicians. Practica Musica features active staff notation and high-quality sampled sound using special sound drivers for the Macintosh. It also is fully MIDI capable, for both input and output. Version 2.6 offers additional compatibility with Apple's MIDI Manager. Current activities include pitch reading, scales, interval ear training, interval playing and spelling, chord ear training, chord playing and spelling, melody ear training for pitch, melody ear training for rhythm, full melody ear training and melody writing (for the creation of brief custom ear training melodies). It will generate ear training melodies according to a user's choice of scale, key signature and meter, and will identify chords and intervals played by a user. A number of historical tunings are available; a user can also change instruments, choosing between organ, piano, harpsichord and MIDI. Practica Musica saves scores and will print a progress record at any time. It is System 7 compatible.
$125 retail
Ars Nova Software; PO Box 637; Kirkland, WA 98083; 800-445-4866 or 206-828-2132 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

Rock Rap 'N Roll
Create and record professional music
Macintosh LC or larger; 4 MB of RAM; diskette version requires 10 MB of hard disk space; color monitor; System 6.0.7 or later; CD-ROM drive.
$49.95 suggested retail
$69.95 suggested retail; CD-ROM version
Paramount Interactive; 700 Hansen Way; Palo Alto, CA 94304; 415-812-8200 or 415-813-8055 (fax)

SongTracker For FileMaker Pro
FileMaker Pro templates to track songs, publishing rights, licensing information and more
Macintosh SE or larger; FileMaker Pro 2.0; hard disk drive.
$198 retail
$396 retail; multiuser (up to 10)
Demo kit available
Working Solutionz Software; 2191 Rosecrans St.; Simi Valley, CA 93065; 805-522-2170 or 805-527-7787 (fax)

Songworks 1.6
Song composition
Macintosh Plus or larger.



Songworks is a music notation program that can also help users compose. It will automatically notate a melody played on the computer's letter keys or on an external MIDI keyboard, suggest chords to go with the melody, invent melody and harmony ideas to stimulate a user's imagination, transpose, play and print the song together with a user's lyrics. It is easy to use, even for the beginner, and yet provides editing tools sophisticated enough to make it valuable to professionals. Songworks deals with a single staff of melody, in any clef, and can handle multiple changes of clef, key or meter if desired. Chords are drawn from the program's own list or are customized by a user; they are played according to various accompaniment patterns and are printed as chord symbols. Lyrics can automatically be aligned with the notes of the melody. Songworks can be used effectively with the sound of the Macintosh speakers, though it can also communicate with MIDI instruments both for input and output. A laser font is included for printing to the LaserWriter. Songs can also be exported as MIDI or PICT files for use in page-layout or drawing programs.
$125 retail
Ars Nova Software; PO Box 637; Kirkland, WA 98083; 800-445-4866 or 206-828-2132 (fax)

SSMU (Studio Session MIDI Utility)
MIDI sequencing program
Macintosh Plus or larger; MIDI interface.
$49.95 retail
Bogas Productions; 751 Laurel St., #213; San Carlos, CA 94070; 415-592-5129 or 415-592-5196 (fax)

Studio Vision AV
MIDI sequencer with integrated digital audio recording and editing
For on-board 16-bit audio capabilities: Macintosh Quadra 840AV or 660AV; 8 MB of RAM; hard disk drive; MIDI interface; MIDI device; System 7.0 or later. For 8-bit audio capabilities: Macintosh Quadra, hard disk drive; QuickTime 1.6; Sound Manager 3.0; MIDI interface; MIDI device; System 7.0 or later.
$595 retail
Opcode Systems, Inc.; 3950 Fabian Way, Ste. 100; Palo Alto, CA 94303; 415-856-3333 or 415-856-3332 (fax)

Studio Vision Pro
Integrated MIDI and digital audio recording and editing
Macintosh II, Quadra, Centris with 32-bit addressing enabled; 8 MB of RAM; hard disk drive with 18ms access time; MIDI interface; MIDI device; Digidesign hardware; System 7 or later.
$995 retail
Opcode Systems, Inc.; 3950 Fabian Way, Ste. 100; Palo Alto, CA 94303; 415-856-3333 or 415-856-3332 (fax)

Super Studio Session
Music creation and playback
Macintosh 512K or larger.
$128.95 retail
Bogas Productions; 751 Laurel St., #213; San Carlos, CA 94070; 415-592-5129 or 415-592-5196 (fax)

Symbolic Composer
Composer's assistant program
Macintosh with 4 MB of RAM; hard disk drive; System 6.0.5 or later.
$595 retail
Tonality Systems; Tobias Asserlaan 307; Amsterdam/ Diemen 1111 JX, Netherlands; +31-20-695-7880 (phone/fax)

TimeBandit 1.5
Offline time, pitch and harmonization program
Macintosh Classic II or larger; 1 MB of RAM; hard disk drive; System 6.0.5 or later; Digidesign audio hardware recommended.
$495 U.S. retail
Steinberg; 17700 Raymer St., Ste. 1001; Northridge, CA 91325; 818-993-4091 or 818-701-7452 (fax)

Totally MOD CD-ROM
Music files that play near CD-quality songs
Macintosh with 68020 or larger processor; System 7.0 or later; CD-ROM drive.
$99.95 retail
Raymark Enterprises; PO Box 70443; Oakland, CA 94612; 510-839-1784, 800-227-7532 or 510-814-9807 (fax)

Unisyn 1.0
Universal MIDI device editor/librarian
Macintosh Plus or larger; 2.5 MB of RAM.
$395 retail
Mark of the Unicorn, Inc.; 1280 Massachusetts Ave.; Cambridge, MA 02138; 617-576-2760 or 617-576-3609 (fax)

UpBeat
Rhythm programmer
Macintosh Plus or larger.
$199 retail
Dr. T's Music Software; 124 Crescent Rd., Ste. 3; Needham, MA 02194; 617-455-1454 or 617-455-1460 (fax)

Virtuoso Pianist
Keyboard tutor software program and libraries
Macintosh Plus or larger.
$549 retail
$199 retail; additional libraries
Musicworks; 18 Haviland St., Ste. 22; Boston, MA 02115; 617-266-2886

Vision 2.0
MIDI sequencing and SMPTE synchronization
Macintosh Plus or larger; 4 MB of RAM; MIDI interface and MIDI instrument; System 7.0 or later.
$495 retail
Opcode Systems, Inc.; 3950 Fabian Way, Ste. 100; Palo Alto, CA 94303; 415-856-3333 or 415-856-3332 (fax)

Creative/Special Effects

1000 Of The World's Greatest Sound Effects
1,000 sound effects
Macintosh II or larger; 2.5 MB of RAM; 12-inch or larger color monitor; System 6.0.7 or later; speakers; headphones; CD-ROM drive.
Users get 1,000 sound effects, perfect for any kind of multimedia presentation. These professional sound effects have been used around the world for the past 30 years — in the theatre, as well as in countless movie and television productions. The sounds are all categorized for easy searching. With the Sound Finder, users can quickly find the perfect sound for just the right effect. There's also the Sound Attach utility, to attach sounds to different system events. Also included is a sophisticated "wave editor," which allows users to edit the sound effects, so they can create their own, custom sounds for a customized multimedia presentation.
$49.95 retail
Interactive Publishing Corp.; 300 Airport Executive Park; Spring Valley, NY 10977; 914-426-0400 or 914-426-2606

■ **20+ Scenics Volume 1**
Finder backdrops
Macintosh Plus or larger; System 6.0.4 or later.
Unlike real photographs, these fractal-generated scenic (sea, mountains, sky) backgrounds (with full 24-bit color) are soft and easy on the eyes. They are great for startup screens or for use with the shareware program Decor. Users must specify type of Macintosh, processor type and monitor size (14-inch screens or less are supported; black and white screens are also supported) when ordering.
$9 retail
Esoteric Software; PO Box 744; Falls Church, VA 22040; 703-532-6981 or 800-217-5051 (orders)

250 Of The World's Greatest Music Clips
Music clips
Macintosh with 4 MB of RAM; System 6.0.7 or later; CD-ROM drive.
From the blues to power tracks, romantic to rock & roll, 250 of the World's Greatest Music Clips is designed to enhance multimedia presentations. Users can customize presentations with the specialized musical interludes. These 5 to 30 second clips are recorded in both 8-bit and high-fidelity 16-bit formats. Users can get the songs they need, easily categorized, at their fingertips. Included is the Multimedia Sound Studio, a graphical state-of-the-art stereo rack system, perfect for controlling all aspects of a multimedia Mac. Any of the music clips can be customized with the built-in wave editor.
$49.95 retail
Interactive Publishing Corp.; 300 Airport Executive Park; Spring Valley, NY 10977; 914-426-0400 or 914-426-2606

3-D Object Library
Libraries of three-dimensional objects
Macintosh Plus or larger.
Hundreds of three-dimensional objects — called Datasets — are displayed in Viewpoint's free 200-page catalog. Current categories include: Aircraft, Vehicles, Ships, Human Anatomy (including a full skeleton and specific muscle groups), Animals and more. In addition, Viewpoint offers users the option of choosing from available Datasets or ordering custom Datasets to fit various needs. Datasets range in size and detail from 100 to 140,000 polygons and can be output in virtually any software format. Viewpoint can offer users whatever models they need to create quality, cost-effective animations.
$100 to $5,000 retail
Viewpoint DataLabs International; 870 West Center St.; Orem, UT 84057; 801-224-2222, 800-328-2738 or 801-224-2272 (fax)

A Zillion Sounds
Sound effects CD-ROM
Macintosh Plus or larger; CD-ROM drive.
A Zillion Sounds is a vast collection of more than 2,000 sound effects and short music clips. Each sound is conveniently stored in both SoundEdit and System 7 Beep Sound formats. All of the sounds are organized by various categories, including animals, beeps, clicks, cartoon, environments, scary, space, people and many more. Also included on this disc is an easy-to-use browser that lets users sample each sound, along with a host of sound utility programs for customizing a user's computer and programs.
$59.95 retail
BeachWare; 5234 Via Valarta; San Diego, CA 92124; 619-492-9529

AdClips Volume One
210 video clips for multimedia production
Macintosh LC or larger.

AdClips contains 48 minutes of broadcast-quality footage with unlimited, royalty-free, non-broadcast reproduction rights. Broadcast rights are negotiable. Clips range in length from 4 to 41 seconds. Subjects include Historical, City Scenes, Nature, Wildlife, Corporate/Industrial, Recreation, Transportation and Lifestyles.
$9.95 retail; VHS demo
$149 retail; QuickTime two CD-ROM set
$299 retail; S-VHS, Hi-8
$349 retail; 3/4" SP
$424 retail; Beta SP, one inch
Other formats are also available
Mediacom, Inc.; PO Box 36173; Richmond, VA 23235; 804-794-0700 or 804-794-0799 (fax)

Aldus Gallery Effects
Transforms images into art
Macintosh SE/30, LC or II family; 2 MB of RAM; hard disk drive (Texture Art requires CD-ROM drive); color monitor and card; system 6.0.5 or later; 32-bit QuickDraw 1.2.

Aldus Gallery Effects: Classic Art gives graphic designers the power to transform any bit-mapped image, including color and gray-scale scans, into sophisticated art. The volumes include plug-in filters that provide access to the effects directly from within many industry-leading graphics programs. Animation software that accepts plug-in filters can also take advantage of the effects. A stand-alone application is provided with Volume 1. Each volume has an easy-to-use dialog box with adjustable setting controls and preview capability. Users can save up to 25 customized settings by name with each filter. Effects can be applied to unique selection areas or to the entire image. Effects can be overlapped for added creativity. Both 8- and 24-bit formats are supported.

Gallery Effects: Classic Art, Volume 1 provides 16 master effects with thousands of variations. Included are Chalk and Charcoal, Charcoal, Chrome, Craquelure, Dark Strokes, Dry Brush, Emboss, Film Grain, Fresco, Graphic Pen, Mosaic, Poster Edges, Ripple, Smudge Stick, Spatter and Watercolor.

Aldus Gallery Effects: Classic Art, Volume 2 is a library of 16 painterly effects that emphasize bold painting and drawing styles, as well as photographic effects. The effects are Accented Edges, Angled Strokes, Bas Relief, Colored Pencil, Diffuse Glow, Glowing Edges, Grain, Note Paper, Palette Knife, Patchwork, Photocopy, Rough Pastels, Sprayed Strokes, Stamp, Texturizer and Underpainting.
$199 retail; Classic Art, Volume 1
$99 direct; Classic Art, Volume 2
Aldus Corp.; 411 First Ave. S, Ste. 200; Seattle, WA 98104; 206-622-5500, 800-685-6636 or 206-343-4248 (fax)

Amazing Moves
Bizarre stunts and feats
Macintosh LC or larger; 8-bit or greater color display; System 6.0.5 or later; CD-ROM drive.

Amazing Moves features the best in bizarre stunts and feats. Users can step right up and marvel at the most amazing collection of thrills, chills and spills ever collected. Gathered from both modern and historic footage from around the world, Amazing Moves boggles the mind with death-defying daredevils, astonishing animal acts and one-of-a-kind oddities. From parachuting dogs to human cannon balls, this CD-ROM has more showstoppers than could fit under any circus big top. Also included are musical solos and duets ideal for any imaginative multimedia presentation.
$59.95 retail
Jasmine Multimedia Publishing; 6746 Valjean Ave., Ste. 100; Van Nuys, CA 91406; 818-780-3344, 800-798-7535 or 818-780-9705 (fax)

America In Motion
Videos of the American dream
Macintosh LC or larger; 8-bit or greater color display; System 6.0.5 or later; CD-ROM drive.

America in Motion features videos of the American dream. Americans have a unique way of celebrating life and this CD-ROM takes users on an electronic journey from the Golden Gate to the White House, from Fourth of July fireworks to Thanksgiving dinner. The spirit of freedom that moves the American heartland is also expressed in dozens of musical selections ranging from ragtime to rock and roll.
$59.95 retail
Jasmine Multimedia Publishing; 6746 Valjean Ave., Ste. 100; Van Nuys, CA 91406; 818-780-3344, 800-798-7535 or 818-780-9705 (fax)

Animation Clips
High-quality animations
Macintosh Plus or larger (color requires SE/30 with color adapter or II family and 8-bit color card); 2 to 4 MB of RAM.

Animation Clips Business 1 and Business 2 each contain 30 high-quality, fully-animated "clips" of everyday business objects and metaphors that users may modify with their own images, graphs or text. They are ideal for multimedia and QuickTime presentations. Features include: available as black and white line art or as 8-bit color rendered versions; two- and three-dimensional construction; created using traditional cell animation techniques; small file sizes, optimal throughput; PICS or Macromedia Director file format; and compatibility with popular Macintosh multimedia packages. They are also available in QuickTime file formats.
$99 retail; includes Sound Effects
Media In Motion; PO Box 170130; San Francisco, CA 94117; 415-621-0707 or 415-621-1724 (fax)

AniMedia
Clip animation library
Macintosh LC or larger; 4 MB of RAM; hard disk drive.

AniMedia is a clip animation library that includes more than 100 color and black and white QuickTime animation files. These files may be imported directly into a variety of multimedia authoring software, such as Macromedia Director, Magic, Motion Works PROmotion, Cinemation, Authorware Professional, as well as HyperCard, SuperCard and others. AniMedia features animated characters and business people, business machines in action, waving flags, transportation, spinning titles, industry and business themes and a whole lot more — everything users need to add motion to their presentations. AniMedia will be available on CD-ROM and will also include clips of music sound tracks and sound effects.
$99 U.S. ($119 Canadian) retail
Animatics; 126 York St., Ste. 207; Ottawa, Ontario, Canada K1N 5T5; 613-235-9000, 800-665-3898 or 613-233-7157 (fax)

The Archives Of History
Compendium of significant images from the 20th Century
Macintosh LC or larger;256-color graphics; 5 MB of RAM; 5 MB of free hard disk space; CD-ROM drive.

The Archives Of History is a moving-image retrospective of the 20th Century. It was a century of World Wars and a century of progress. But first and foremast, it was a century of dramatic motion pictures, more than 250 of which are available as QuickTime movies. A sampling of the QuickTime movies included on this disc are: Adolph Hitler & Benito Mussolini, Amelia Earhardt & Charles Lindbergh, Anti-War Demonstrations, Army-McCarthy Hearings, Attack on Pearl Harbor, Desert Storm, Dionne Quintuplets Born, Elvis Presley Inducted into the Army, Fashion Shows & Flappers, Henry Ford & Thomas Edison, Hindenburg Explosion & Titanic Disaster, Hiroshima, Hula Hoops & Marathon Dancing & Twisting, Jackie Robinson Joins the Brooklyn Dodgers, John Dillinger & Assorted Gangsters, John F. Kennedy, Kamikazes, King Tut's Tomb Excavated, Klan March on Washington, Marilyn Monroe, Muhandas Gandhi, Repeal of Prohibition, Swingin' London & Twiggy, Watergate & Vietnam and World War I & World War II.
$79.98 retail
MPI Multimedia; 5525 W. 159th St.; Oak Forest, IL 60452; 708-535-1540, 800-777-2223 or 708-535-1541 (fax)

Aris Entertainment MediaClips
Media Clips containing images, sound tracks, movies and more
Macintosh LC or larger; 8- or 24-bit color display; 32-bit color QuickDraw; CD-ROM drive; System 7.0 or later.

Tropical Rainforest lets users experience the sights and sounds of the lush tropical rainforests of South America. It includes all aspects of the rainforest — from its wild beauty and breath-taking sights to areas of forest devastation. Wild creatures and beautiful and exotic birds are seen and heard in their natural habitat. Included are 100 natural photographic images, 100 originally composed Andean panflute music clips.

From shipwrecks and hidden caves to deep and uncharted waters, watch plant and animal life come alive. Deep Voyage is an underwater adventure that includes 100 dynamic photographic images, 100 contemporary audio clips and 25 underwater action videos.

Business Backgrounds contains everything from stock certificates, graphs and files to business meetings, office equipment and executive activities. Upbeat music and sound effects are featured.

Full Bloom contains beautiful and exotic flowers from around the world to make fascinating backdrops and graphics for user's monitor or presentation. With classical piano audio clips, this disc is wonderfully relaxing and enjoyable. It also includes stunning videos of flowers opening. Images, videos and sound can be used royalty-free.

Island Designs includes two discs, Vintage Aloha and Batik Designs. Vintage Aloha contains playful and rare "antique" Hawaiian shirt patterns from the 1930's through the 1950's, teamed with 100 sound tracks of the best early Hawaiian music. Batik Designs showcases alluring and richly colored fabric designs from exotic Bali, combined with 50 sound tracks of enchanting Balinese music and ambient sounds.

Jets & Props is a two-disc set that contains a total of 200 spectacular photos of civilian and military aircraft: 100 jets and 100 classic props. It also contains a total of 200 original audio clips: 100 hard-driving rock-and-roll (Jets) and 100 instrumentals with an international flavor (Props). Short, informative descriptions and 50 videos of jets and props in action are provided — a private air show on two discs.

Majestic Places contains 100 photographs from many of the world's most spectacular vistas, including Mt. Everest, Mt. McKinley and many other famous landscapes. Originally scored contemporary music complements each image to create a breathtaking slide show to enjoy time and again.

Money, Money, Money! contains images of U.S. and international coins and currency, along with 25 videos of money hot-off-the-press. Whether users need some dinero, geld or greenbacks, they'll find it all in Money, Money, Money! It also features 100 originally scored audio tracks and sound effects that can be used royalty-free.

Wild Places contains award-winning natural landscapes and closeups featuring deserts, rocks, jungles, seascapes and forests, paired with originally scored "new age" audio tracks. Images and sounds may be used without royalty in print or digital publications or presentations.

World View contains stunning images of the world from above, planets and space exploration from the best of NASA's archives. Each photo has an interesting and educational description. Users can see 25 exciting movies of lunar landings, blastoffs and more. One hundred new age piano and instrumental music tracks will delight explorers of all ages.

With Americana, users take a photographic journey with Roger Goldingay through windswept prairies and majestic mountains, quaint churches and covered bridges. It is a visually stunning chronicle of famous places users would love to visit.

Animal Kingdom features the best of the world's animals from nearly all continents, combined with originally composed new age instrumental music and motion video sequences. With lions, bears, tigers, penguins, birds and many other kinds of wildlife, Animal Kingdom is a disc the whole family will enjoy.
$39.95 each retail; Business Backgrounds; Full Bloom; Island Designs; Majestic Places; Money, Money, Money!; Wild Places; WorldView; Tropical Rainforest; Deep Voyage
$59.95 retail; Jets & Props

$29.95 retail; Americana; Animal Kingdom
Aris Entertainment; 310 Washington Blvd., Ste. 100; Marina del Rey, CA 92092; 310-821-0234, 800-228-2747 or 310-821-6463 (fax)

Atmospheres Background Systems
Full-page image backgrounds, plus special effects software
Macintosh Plus or larger; hard disk drive with 1 MB free; SuperDrive; System 6.0.7 or later.

Atmospheres Background Systems are full-page color and gray-tone background images, plus Watermark, a special effects software tool. Five collections of unique images enhance any project created with page layout, presentation, paint, word processing and draw programs. Backgrounds are in high resolution to provide professional-looking output with laser printers, imagesetters, four-color printing, 35mm slides, transparencies, on-screen and on desktop color printers. Watermark for Atmospheres, a special effects and graphic format conversion utility, is an added benefit included in each Atmospheres System. The original vector artwork is editable in all draw programs, including Illustrator, FreeHand, SuperPaint and MacDraw Pro. Users can convert images to bit maps for compatibility with all Macintosh paint programs. The special effects features in Watermark include changing image color intensity, known as ghosting, to allow text placement over the background artwork. Gray-tone image controls allow ghosting and gray balance fine tuning to improve output for an end-user or service bureau's specific laser printer or imagesetter. The five collections of Atmospheres Background Systems include Habitats, Classics, Geometrics, Patterns and CityScapes.
$49 each retail
TechPool Studios; 1463 Warrensville Center Rd.; Cleveland, OH 44121; 216-291-1922, 800-777-8930 or 216-382-1915 (fax)

Aware Speed-Of-Sound Vol. I: SFX
Stereo sound effects
Macintosh with 68020/20 MHz processor or larger; 4 MB of RAM; System 6.0.7 or later.

The Aware Speed-of-Sound Library, a single CD-ROM disc, puts more than seven hours of professional-quality, stereo sound effects online from any CD-ROM drive, with more than 1,200 SFX, digitally recorded at 16-bit, 44.1 KHz. It is a comprehensive collection compatible for use with a wide range of professional audio and multimedia applications packages for Macintosh and Silicon Graphics workstations (and now Windows). No special audio of DSP hardware is required. Aware licenses its underlying MegaDisc technology to content publishers.
$250 retail
Aware, Inc.; 1 Memorial Dr.; Cambridge, MA 02142; 617-577-1700, 800-292-7346 or 617-577-1710 (fax)

Behind The Scenes
Color images, backgrounds
Any color Macintosh; CD-ROM drive.

Behind The Scenes is a collection of color images for use in multimedia, publishing, art and modeling. Volume 1, "The Basics," boasts a large collection of color backgrounds on a single CD-ROM — more than 3,000 images in three basic categories: gradients, fantasy textures and photos. Images are available in 32- and 8-bit formats to accommodate a wide variety of needs. All images fit perfectly on 13- or 14-inch monitors (640 by 480 pixels), so tiling, resizing or editing is not usually required. Images are in PICT format. Several indexes to the images are included, making it easy to find the right image for a project. Behind The Scenes owners need never worry about licensing the images; they may be used by the original owner without paying royalties or licensing fees. Future collections will focus on specific themes and will contain a comparable number of images.
$79 retail
Northwest Multimedia; 4061 Winema Pl. NE; Salem, OR 97305; 503-399-8390 or 503-399-8875 (fax)

The Best Of Sound Bytes
Music, audio tracks and waveforms
Macintosh Plus or larger; 1 MB of RAM; hard disk drive recommended; 8-bit (256) color monitor; audio board; System 6.0.4 or later.

The Best of Sound Bytes is a diverse collection of music, audio tracks and waveforms compiled from more than 12 issues of NautilusCD, a multimedia CD-ROM service. It contains 12 sound effects, two 60-second spots and 20 multimedia music beds. Each multimedia bed is presented in four standard lengths — a full 60-second version, 30- and 15-second versions and a 5-second "bumper" or "tag" version. All sound files have been recorded in four formats and can be used with the Audiomedia card or MacRecorder. Files intended for use with the Audiomedia card have been recorded in stereo at 44.1 KHz and in mono at 22.05 KHz. Files for use with MacRecorder have been recorded in mono at 22 KHz and 11 KHz. Included on the disc is Sound Bytes Index, an interactive listing and locator front-end for the sound files, as well as Sound Bytes Index.text, a text-based listing of all the files and folders.
$49.95 retail
Metatec Corp./Nautilus; 7001 Discovery Blvd.; Dublin, OH 43017; 614-766-3182, 800-637-3472 or 614-761-4110 (fax)

Best Of Stock Video
Dazzling videos from around the globe
Macintosh LC or larger; 8-bit or greater color display; System 6.0.5 or later; CD-ROM drive.

Culled from more than 10,000 hours of broadcast-quality footage, the Best of Stock Video CD-ROM showcases the beauty and majesty of man and nature as seen through the lenses of the world's foremost film and video cameramen. These captivating scenes and vibrant imagery will bring unequaled beauty to any computer presentation. Adding to the charm are Jasmine's favorite musical orchestrations. As with all Jasmine Multimedia titles, the clips can be used royalty-free in any computer application.
$59.95 retail
Jasmine Multimedia Publishing; 6746 Valjean Ave., Ste. 100; Van Nuys, CA 91406; 818-780-3344, 800-798-7535 or 818-780-9705 (fax)

Blockbuster Sound F/X
Sound effects
Macintosh II; 2 MB of RAM; CD-ROM drive.

Blockbuster Sound F/X is a CD-ROM full of license-free sound f/x for multimedia productions. Each sound f/x comes in 8- and 16-bit mono and stereo, in WAV. and AIFF, as well as an SND file for easy, double-click Macintosh use. The sound f/x also come in redbook audio for previewing on a standard CD audio player. Blockbuster Sound F/X features 142 (1,278 for all resolutions and formats) fun and exciting sounds, like applause, laughter, train, jet, animal sounds, telephone ring, fireworks, funny horn, pig squeals, toilet flush, baby cry, weather satellite, countdown of Saturn I Rocket with blast off and many more. Each sound is professionally edited and recorded to give users the highest quality sound possible.
$69.99 retail
The Music Bank; 1821 Saratoga Ave., Ste. 204; Saratoga, CA 95070; 408-777-7710, 800-995-1645 or 408-777-0717 (fax)

Bogas Sound Effects Disk
Sound effects
Macintosh 512K or larger; Super Studio Session, SSMU or Jam Session.

The Sound Effects Disk provides the following sound effects: anvil, aoogah, applause, bear, bell (big), bell (F4), big ben, bird whistle, boing, bubbles, car door, cat, chicken, chimp, clack, cork pop, cow, cricket, crow, dial tone, dog, donkey, door slam, down slide, evil laugh, foghorn, frog, glass break, goat, goose, gravel step, gulp, gunshot 1, gunshot 2, hammer, horse neigh, horse snort, hyuuah, idle, jacktapper, knock, laser (phaser), laser, machine gun, metal hit, metal tap 1, metal tap 2, oxygen, peacock, pig, queep, rev, sawing, siren, splash, squawk, steam whistle, thump, train rails, train whistle, tweet, up slide, veer, warp, washboard, water glass, whip, wolf, x banjo, x bass guitar, x whistle hi, x wood block, yxogen and zorro. Also included are songs using these sounds: Carpentry, Hurry Up, Jingle Traffic, Jogging, Kitchen Jamboree, Mary Hadda, Persian Reggae.8, Space Worthy, Swinal Tap and Western.
$19.95 retail
Bogas Productions; 751 Laurel St., #213; San Carlos, CA 94070; 415-592-5129 or 415-592-5196 (fax)

Business In Motion
Videos of the world's work force
Macintosh LC or larger; 8-bit or greater color display; System 6.0.5 or later; CD-ROM drive.

From steel mills to Wall Street, from retail stores to scientific laboratories, workers of every kind are making a difference in manufacturing, agriculture, aerospace and construction. This CD-ROM includes authentic footage showcasing the world's diverse work force. Also included are 48 upbeat themes ideal for any corporate presentation.
$59.95 retail
Jasmine Multimedia Publishing; 6746 Valjean Ave., Ste. 100; Van Nuys, CA 91406; 818-780-3344, 800-798-7535 or 818-780-9705 (fax)

Calculated Beauty: A Journey Through Mandelbrot Space
Multimedia experience of fantastic fractal images and sounds
Macintosh LC III or larger; 4 MB of RAM; System 7.0 or later; CD-ROM drive.

Calculated Beauty is a unique multimedia CD-ROM using a color monitor as a viewport/soundport onto a gigantic mosaic of fascinating fractal images. This "Mosaic Art" can be used to provide backgrounds, textures or unique borders for publications, art or posters. The images provide hours of pleasurable viewing. Users can customize more than 6,000 square feet of pre-calculated mosaics using their own color preferences with a variety of algorithms, color palettes, animation features and controls. Images can be saved as large, high-resolution (300 dpi or greater) PICT files or copied for use in presentations, photos and posters. Users can: calculate and zoom into infinite detail from any area of the mosaic; listen to the sounds of the fractals; view QuickTime movies; compute other fractals with the shareware provided; visit an art gallery containing more than 100 full-screen color "paintings" of fractal art from several artists; create their own slide show; and more.
$44 retail
Rocky Mountain Digital Peeks; PO Box 1576; Nederland, CO 80466; 303-258-3779 (phone/fax) or 800-266-7637

Canyon Clipz
QuickTime movies
Macintosh LC or larger; QuickTime 1.5 or later; System 7.0 or later.

Canyon Clipz is a cross-platform CD-ROM designed to showcase QuickTime for Windows. Users get a wide selection of QuickTime movies to enjoy, including full length MTV-style music videos (nationally known performers), vintage Hollywood animation and old movie clips, high-quality computer graphics shorts and segments from contemporary documentaries.
$29.95 retail
The San Francisco Canyon Co.; 150 Post St., Ste. 620; San Francisco, CA 94108; 415-398-9957 or 415-398-5998 (fax)

Cars! Cars! Cars!
Comprehensive survey of the automobile
Macintosh LC or larger; 5 MB of RAM; 5 MB of free hard disk space; CD-ROM drive.

Cars! Cars! Cars! is a celebration of our popular automotive culture. Muscle cars, dream cars, the T-bird and the Edsel are all showcased here — 250 QuickTime movies of rare automotive wonder films. A sampling of the QuickTime movies included on this disc are: 007's famous Aston Martin, 1947 Chrysler Town and Country, 1957 T-Bird on the Road, Amphibious Amphicar, Bonnie & Clyde's Death Car, Cadillac La Espada, California Dirt Track Racing of 1938, Edsel Introduced at the Frankfurt Motor Show, "Forward Look" 1955 Chryslers, Gordon Bennett Motor Race of 1903, Grace Kelly and the Winners of the Monte Carlo Rally, Groucho Marx Ad for Your DeSoto Plymouth Dealers, Henry and Clara Ford on the Quadricycle, Inside a 1950s Styling Studio, LeMans Disaster of 1955, London-Brighton Run of 1930, Model A's Rolling Off the Assembly Line, Oldsmobile Golden Rocket, Playing Around with the Three-Wheel Davis Car, Press Introduction of the Revolutionary Austin Mini, Scenes from Auto Safety Film "Driven To Kill," Test-Driving the Ford Futura, Tiny Messerschmidt Kabineinroller, Tour of the MG

Factory, 1932 and Woman Who Gets Her Car Painted to Match Her Dress.
$79.98 retail
MPI Multimedia; 5525 W. 159th St.; Oak Forest, IL 60452; 708-535-1540, 800-777-2223 or 708-535-1541 (fax)

CineMedia
Clip media
Macintosh Plus or larger; 1 MB of RAM for black and white (2 MB recommended); 2 MB of RAM for color (4 MB recommended).

CineMedia provides professional-quality media clips in flexible formats that let Macintosh users enliven their presentations quickly and easily. Animation clips are provided in black and white and 8-bit color. Animation files can be imported into animation programs, such as Vividus' Cinemation and Macromedia's Director, or they can be accessed using the System Scrapbook or common DAs, such as SmartScrap and ArtGrabberII. Sound clips are stored in SND format to allow users to import them into a wide variety of multimedia applications. Volume 1: Starter Kit contains animated animals, people, business images, transportation images, titles, arrows, buttons and backgrounds — everything needed to put presentations in motion. Volume 2: Sound Clips will add pizzazz to presentations with music, chords, fanfares, loops and buttons. Volume 3: Business Clips is a collection of business-related clips. Volume 4: Dinosaur Clips takes presentations into the Jurassic period with serious and humorous clip animation dinosaurs.
$99 retail; Vol. 1; Starter Kit
$79 retail; Vol. 2; Sound Clips
$99 retail; Vol. 3: Business Clips
$59 retail; Vol. 4: Dinosaur Clips
Vividus Corp.; 378 Cambridge Ave., Ste. I; Palo Alto, CA 94306; 415-321-2221 or 415-321-2282 (fax)

Clip Audio
Music clip art
Macintosh Classic or larger; audio cassette player.

Clip Audio consists of high-quality music "clip art" in an audio cassette format. Volumes I to VII are available, with each volume containing approximately 30 minutes of copyright-free music to enhance presentation and video productions.
$15 each retail
The Publishing Factory, Inc.; 310 Dover Rd.; Charlottesville, VA 22901; 804-973-8254, 800-835-5547 or 804-978-1629 (fax)

Clip Tunes
CD-ROM production music for multimedia
Macintosh Plus or larger; CD-ROM drive.

Clip Tunes is a 600 MB CD-ROM filled with a wide variety of pre-licensed contemporary production music and sound effects for multimedia. The high-fidelity recordings come in Audiomedia format, making it very easy for users to customize the music and add it to a multimedia presentation with a minimum of time and effort.
$195 retail
Digidesign, Inc.; 1360 Willow Rd., Ste. 101; Menlo Park, CA 94025; 415-688-0600 or 415-688-0777 (fax)

Clip Video
High-quality motion clip art
Macintosh Classic or larger; VHS VCR; video-capture board.

Clip Video consists of high-quality motion clip art in a VHS video format. This gives users access to copyright-free video. These video clips can be used in conjunction with a video-capture board and software, such as MediaMaker and FilmMaker, to greatly enhance the finished product and cut production time. Potpourri, the first volume, contains a large selection of "cut-aways" to help users proceed from one section of their work to another in a professional manner, along with numerous general use clips, such as traffic, emergency vehicles and other episodes designed to be of broad interest. The product is also useful as a source of traditional "still" clip art when used with a video-capture board.
$89 retail
The Publishing Factory, Inc.; 310 Dover Rd.; Charlottesville, VA 22901; 804-973-8254, 800-835-5547 or 804-978-1629 (fax)

Clip*Video*Art "Animation Effects" V2c
Animated clips
Any color Macintosh; Macromedia Director; VideoWorks II or compatible.

"Animation Effects" includes animated clip art for enhancing and adding excitement to presentations. Included are colorful geometric designs, borders, stars, abstract designs and underlines. Users can expand, change colors, spin, flash colors and do special effect movements. The clips are useful for creating colorful attention to titles and to accent areas of interest. Expanding graphic shapes displays give the basics for creating colorful areas for titles or text. Clips can be combined to create user-defined effects.
$59.95 retail
Freemyers Design; 575 Nelson Ave.; Oroville, CA 95965; 916-533-9365

Clip*Video*Art "Presentation Animation"
Animations for enhancing presentations
Any Macintosh; Macromedia Director; VideoWorks II or compatible.

Clip*Video*Art "Presentation Animation" is a disk full of short animations for enhancing animated presentations. Animated special effects, pie charts, bar charts, borders, marquees, graphic arts aids, arrows, symbols and selected clip art are included for customizing presentations.
$59.95 retail
Freemyers Design; 575 Nelson Ave.; Oroville, CA 95965; 916-533-9365

ClipMedia
Professional animations, sounds and multimedia elements
Macintosh Plus or larger (Macintosh II family recommended); 2 MB of RAM (4 MB recommended); hard disk drive; CD-ROM drive; System 6.0 or later.

ClipMedia 1, Business & Technology, is a CD-ROM containing high-quality, royalty-free multimedia clips for use in presentations and video productions. ClipMedia, like clip art, is professional-quality media that can be used and changed over and over again. Users can add the highest quality audio and visual elements to their presentations easily and cost effectively by selecting from the more than 50 graphics, 250 sound effects, 75 animations, 50 digital video sequences and 50 music pieces.

ClipMedia 2, Industry at Work, features more than 1,300 high-quality, royalty-free clips from aviation, computing, defense, education, finance, manufacturing, medicine, purchasing, retail, telecommunications and other major industries. It includes 500 sound effects, 150 animations, 35 music pieces and 700 graphic elements. Available on CD-ROM, ClipMedia 2 includes digital video and animation saved as QuickTime movies, in addition to PICS.

ClipMedia 3, Perfect Presentations, contains nearly 1,000 digitized videos, graphics, photographs, animations, sound effects and musical elements. The clips categories are: Business Landmarks, Nature, Space, Americana, Transportation, Environment, Animated Bullets and Video Backgrounds, as well as general usage multimedia elements, such as buttons and arrows. All elements contained on the CD-ROM can be used over and over again, saving users time and money.
$395 retail; ClipMedia 1
$295 retail; ClipMedia 2
$195 retail; ClipMedia 3
Macromedia; 600 Townsend St.; San Francisco, CA 94103; 415-252-2000 or 415-626-0554 (fax)

ClipTime
QuickTime video clip art
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive; System 6.0.7 or later.

Volume One of the ClipTime CD contains more than 250 professionally-produced movie clips specifically selected to work with QuickTime. Movies are 5 to 35 seconds in length; in a standard QuickTime window, up to 15 FPS. Categories include Aerials, Animals, Education, People, Sports, Business, Industry, Medical and more. ClipTime is ideal for presentations, advertising mockups, educational storyboarding, marketing demonstrations, curriculum development and numerous other applications. With ClipTime, preparing dynamic documents is as easy as copy and paste.
$99 retail
ATG, Inc.; 6921 Cable Dr., Ste. 100; Marriottsville, MD 21104; 410-781-4200, 800-952-9073 or 410-781-4963 (fax)

ClipTime Volume II "American Media"
Clip media
Macintosh LC or larger; 4 MB of RAM; System 7.0 or later; CD-ROM drive.

The American Media CD-ROM is a collection of more than 300 QuickTime movies that are focused with an Americana theme. Footage includes: North American Wildlife, Military Events, Presidents, National Parks, Historic Events and more. There are more than 50 photographs of National Parks. The pictures used Kodak Photo CD technology to bring them to the Macintosh. More than 80 sound files include: sound effects, stingers, transitions and songs. The ClipTime CD-ROM contains more than 590 MB of royalty-free media, allowing users access to large amounts of movies, photographs and sounds files for all their favorite QuickTime-supported applications. ClipTime includes the latest version of QuickTime, as well as a HyperCard Browser Software and a try-out version of Adobe Premiere.
$249 retail
ATG, Inc.; 6921 Cable Dr., Ste. 100; Marriottsville, MD 21104; 410-781-4200, 800-952-9073 or 410-781-4963 (fax)

■ **ColorBytes Designer Series**
Professionally-photographed backgrounds and textures
Macintosh II or larger; 8 MB of RAM; 60 MB of free hard disk space; Thunderstorm card and additional RAM recommended for hi-res JPEG files; CD-ROM drive.

The ColorBytes Designer Series is a collection of CD-ROM discs featuring highly-usable, full-page backgrounds and textures. The first two releases are Volume 1: Papers & Fibers and Volume 2: Stone & Minerals. Each volume in the series is categorized by the type of backgrounds it contains. In addition, each volume contains 25 images stored in six different resolutions and formats: JPEG (2,625 by 3,375), TIFF (1,250 by 1,750), TIFF (630 by 810), PICT (640 by 480), QuickTime (120 by 160) and BMP (640 by 480). All of the images were scanned from an original transparency on a high-end drum scanner at up to 4,000 dpi. The images were carefully color-balanced and retouched on a calibrated workstation. The discs also include an Aldus Fetch image catalog for browsing and keyword searches. With ColorBytes, users get superior quality, high usability and a great value — all this for royalty-free images.
$159 per volume retail
ColorBytes Inc.; 2525 S. Wadsworth Blvd., Ste. 308; Lakewood, CO 80227; 303-989-9205, 800-825-2656 or 303-988-6463 (fax)

Creative Backgrounds & Textures
200 color photos of backgrounds and textures
Macintosh Plus or larger; CD-ROM drive.

Creative Backgrounds & Textures is a collection of more than 200 diverse color photos of textures, sunsets, skylines, bridges, effects, deserts and more. The images have been saved in 24-bit TIFF and 8-bit PICT file formats. The medium resolution edition contains 2 MB files. The Kodak Photo CD (high-resolution edition) contains 18 MB files for full-page reproduction.
$59.95 retail; medium resolution
$99.95 retail; high resolution
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

DeskTop Sounds
Contains sound effects, music effects and percussion samples
Macintosh Plus or larger; 2 MB of RAM; System and Finder 6.02 or later; HyperCard 1.2.2 or later; AppleCD SC or compatible CD-ROM drive.

DeskTop Sounds, Volume One is a CD-ROM disc that contains 400 digitally recorded, professional-quality sound effects, music effects and percussion samples in the Apple Sound Resource format. The disc contains a HyperCard user interface for finding, auditioning and moving sounds into various Macintosh applications.
$49 retail

Optical Media International; 180 Knowles Dr.; Los Gatos, CA 95030; 408-376-3511, 800-347-2664 or 408-376-3519 (fax)

Digital Video Library
More than 180 QuickTime movies
Macintosh Classic II or larger; 2 MB of RAM (5 MB with System 7); System 6.0.7 or later; QuickTime; CD-ROM drive.

Digital Video Library contains more than 180 QuickTime movies in a variety of subjects. Categories include: Atlanta, Beaches, Casinos, Cruise Lines, Desert, Entertainment, Farms, Golf, Hollywood, Industry, Kayaking, LA, Las Vegas, Medical, Miami, Monuments, Mountains, New York, Restaurants, Sailing, San Francisco, Shopping, Space, Sports, Tennis, Tourist Sports, Static Backdrops, Tropical, Under Water, Wall Street and Wind Surfing. The movies are organized with a HyperCard Browser that allows users to play the movies, search for key words in descriptions, mark movies to view or copy for later use. The movies do not contain sound.
$39.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Effects Specialist 2.0
Font-styling program to easily transform any font into spectacular display type
Macintosh Plus or larger; 1 MB of RAM.

With Effects Specialist, users can easily and quickly create unique and dynamic display type for logos, headlines, mastheads, presentations, slides, flyers, brochures, newsletters, posters, banners and an endless variety of exciting graphic applications. It works with any font (bit mapped, PostScript and TrueType) in a system and outputs to virtually any device. The program offers 120 unique special effects for type; multiple modifiers for each effect enable the creation of thousands of innovative variations. Features include scaling, rotation, kerning, skewing, rulers, line-screen generator, background generator (for full control of shading and pattern), WYSIWYG display, custom color creation (including Focoltone Colour System) and bonus custom color palettes. The program also provides full-color support (including color separations), import/export capabilities for PICT and EPS files and compatibility with most desktop publishing, word processing, drawing, paint and presentation programs.
$179.95 retail
Postcraft International Inc.; 27811 Avenue Hopkins, Ste. 6; Valencia, CA 91355; 805-257-1797 or 805-257-1759 (fax)

ElasticReality
Professional warping and morphing
Macintosh with FPU and Color QuickDraw; 8 MB of RAM; hard disk drive; 8-bit display or better; QuickTime 1.5 or later; System 7.0.1 or later.

ElasticReality (ER) is a professionally-oriented warping and morphing system. ER incorporates the same outline-based user interface and advanced matting capabilities found in ASDG's Silicon Graphics product of the same name. Instead of an awkward mesh or point-based user interface, ER uses structured drawing tools familiar to any Macintosh artist. Warping and morphing effects are created by simply outlining the shapes to be controlled and linking them together. For full-motion effects, ER automatically "tweens" outlines from frame to frame, saving users much of the labor in creating moving effects. Other advanced features include the ability to define separate acceleration and transparency curves for each outline. Acceleration control allows different parts of the image to move at different rates, including ease-in, ease-out, overshoot and undershoot. The transparency editor allows for local control over the dissolve between the elements being morphed. ER can even be used for the creation of complex traveling mattes, especially in cases where other matte-making means (such as chroma or luma keying) are not possible. And, ER is resolution independent. Film sized effects can be prepared and previewed using video sized stand-ins. The outline information creating the video sized effect is directly reusable when the finished full-size effect is rendered.
$349 retail
ASDG, Inc.; 925 Stewart St.; Madison, WI 53713; 608-273-6585 or 608-271-1988 (fax)

Electronic Preview
24-bit color backgrounds and textures
Macintosh LC or larger; painting or layout program that accepts TIFF files; CD-ROM drive (for CD version).

Electronic Preview contains 24-bit color backgrounds and textures for printing, video, animation, 3-D and illustration. There are no royalties or stock contracts to sign. Volume 1 contains 104 images in the following categories: special effects (unique abstract translucent backgrounds); natural abstractions (textures and patterns, such as marble and wood grain); skies (from sunny to cloudy, sunrise to sunset); ad concepts (images that lend well to ad copy); and fabrics and papers (close-ups of satin, silk and Japanese papers). Electronic Preview is available on CD or sets of diskettes. The CD version has three file sizes per image, including a high resolution that yields full-page magazine reproductions (133 to 150 line screen). The diskette version is provided for consumers without CD-ROM capability and provides images at medium resolution, suitable for most multimedia purposes. A catalog of images is available.
$249 retail; CD or diskette version
$29 retail; sampler of 10 images
Single images available; call for pricing
Studio Productions; 18000 East 400 South; Elizabethtown, IN 47232; 800-359-2464 or 513-861-2932 (fax)

Electronic Preview Multimedia
24-bit color backgrounds and textures
Macintosh LC or larger; 4 MB of RAM; program that can import TIFF or PICT files; CD-ROM drive.

Electronic Preview Multimedia is the ultimate resource for the multimedia or desktop publishing professional. It provides royalty-free 24-bit color photos for presentations, 3-D illustrations, videos, films or designs. It features complete sets of presentation materials for a finished professional look. Included categories are: Marbleized Textures, Coordinated Title Pages and Borders, Accents — designed to match the marbleized papers, title pages and borders — perfect as buttons for interactive multimedia or as bullets for presentations, Tiles for 3-D modeling; some are based on the core images, others look like batiks, Slide resolutions — selected images provided in higher resolutions for slides or film.
$159 retail
$35 each retail; single image any resolution
Studio Productions; 18000 East 400 South; Elizabethtown, IN 47232; 800-359-2464 or 513-861-2932 (fax)

Essential Backgrounds & Textures
Royalty-free color stock photographs
Any color-capable Macintosh; 5 MB of RAM and 24-bit color video recommended; Kodak Photo CD-compatible CD-ROM drive.

Essential Backgrounds & Textures is a collection of 100 royalty-free color stock photographs of diverse textures and backgrounds of sunsets, skylines, buildings, fruit, hardware and more. This CD-ROM is presented in the high-quality Kodak Photo CD format. All five Kodak Photo CD formats are supported, from snapshot up to poster size.
$59.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Famous Faces
The most prominent people of the 20th century
Macintosh LC or larger; 8-bit or greater color display; System 6.0.5 or later; CD-ROM drive.

Users can bring history to life with this exciting CD-ROM collection of exceptional film footage and educational biographies of the most prominent people of the 20th century. Users look, learn and listen as Kennedy predicts sending men to the moon and Henry Ford drives his first car; and experience electronic time travel as they share the excitement of the century's greatest achievements with the men and women who became history.
$59.95 retail
Jasmine Multimedia Publishing; 6746 Valjean Ave., Ste. 100; Van Nuys, CA 91406; 818-780-3344, 800-798-7535 or 818-780-9705 (fax)

Famous Places
Explore the wonders of the world
Macintosh LC or larger; 8-bit or greater color display; System 6.0.5 or later; CD-ROM drive.

Famous Places lets users take an electronic journey to the most majestic and alluring locations around the globe. From the grandeur of the Great Pyramids of Egypt, through the romantic canals of Venice, to the Great Wall of China, this unique CD-ROM combines rare and breathtaking movies with fascinating histories. Users will learn the fascinating facts behind how the Grand Canyon was created, who built the Taj Mahal and why the Tower of Pisa leans.
$59.95 retail
Jasmine Multimedia Publishing; 6746 Valjean Ave., Ste. 100; Van Nuys, CA 91406; 818-780-3344, 800-798-7535 or 818-780-9705 (fax)

Flo'
Freeform plasticity software
Macintosh II or larger; 5 MB of RAM; CPU storage for animations and images.

Flo' turns two-dimensional images into a pliable, plastic-like surface that users can stretch, distort and pull without causing any degradation to the original image quality. Flo' images can be output at any resolution. Numbered PICTs, QuickTime movies and PICS files can be output to many commercially available design and QuickTime applications or other animation packages. With Flo', users can scale, translate, rotate, skew or perform arbitrary transformations on any part of an image while the rest of the image remains unchanged. Also, users can work on low-resolution versions of high-res images and when they are happy with the picture, they simply swap the high-res image into the workspace and all their special effects are automatically applied. Alpha-channel support is also included. There are no control points to move; users simply use Flo's freehand outlining tools to achieve these amazing results.
$199 retail
The Valis Group; 2270 Paradise Dr.; Tiburon, CA 94920; 510-236-4124 or 510-236-0388 (fax)

Folio 1
Backgrounds and textures
Macintosh SE/30, LC, II, Quadra or Power Macintosh; 5 MB of RAM; 80 MB hard disk drive; color monitor; CD-ROM drive.

Folio 1 is a collection of 100 progressive photographic backgrounds and textures for graphic design on the Macintosh. It features 10 themes: Abstracts, Fabric, Food, Marble, Masonry, Metal, Nature, Novelties, Paper and Wood. All images are 24-bit, 9 by 12 inches and include unlimited editing and usage rights. Available are: Folio 1 Print Pro CD, which includes three CD-ROM discs (more than 2 GB), 100 22 MB images from 10 categories, 100 matching 2 MB images and a free CD caddy; Folio 1 Media Kit, which includes either three CD-ROM discs or 10 high-density diskettes and 100 2 MB images from 10 categories; and Folio 1 Mini-Paks, which includes one high-density diskette and 10 2 MB images.
$499.95 retail; Folio 1 Print Pro CD
$299.95 retail; Folio 1 Media Kit CD or Folio 1 Media Kit (high-density
diskettes)
$149.95 retail; Folio Media Kit gray-scale diskette
$39.95 retail; Folio 1 Mini-Paks
D'pix, Inc.; 929 Harrison Ave., Ste. 205; Columbus, OH 43215; 614-299-7192, 800-238-3749 or 614-294-0002 (fax)

Fontek Backgrounds & Borders
Textures, patterns, shapes, scenes and borders
Macintosh SE or larger; 4 MB of RAM; 20 MB of free hard disk space.

Backgrounds & Borders contains six collections of high-quality textures, patterns, shapes, scenes and borders. Users can use them as the foundation of their design or simply to add another level of sophistication to ads, brochures, newsletters, magazines, 3-D slide shows and multimedia presentations. Each collection includes both high-resolution (266 dpi) and low-resolution (72 dpi) black and white images in one

package for easy manipulation, colorizing and proofing.
$89.95 per collection retail
$349 retail; Portfolio Pack (all 6 collections) on CD-ROM
Letraset USA; 40 Eisenhower Dr.; Paramus, NJ 07653; 201-845-6100, 800-343-8973 or 201-845-5047 (fax)

FountainView 3.0
A collection of 104 gradient screens (fountains) and a utility program to create new fountains
Macintosh Plus or larger.

FountainView is a collection of fountains. Fountains are screens of halftone dots that gradually change in size, giving the visual impression of black merging into white in one direction across the page. The fountains are composed of 13 halftone shapes that graduate in eight different directions. Each file is in screen-visible EPS format, producing 256 continuous shades of gray. The halftone dots shapes include rings, triangles, weaves, diamonds, ovals, lines and a random texture. A user can view each fountain in relation to other page elements, then position, size and select the desired range of grays or change its shape (application program permitting). Included with the program is Fountain Modifier, which enables users to create new fountains of any halftone frequency and screen angle.
$75 retail; site license
$10 retail; each additional computer
Isis Imaging Corp.; 3400 Inverness St.; Vancouver, BC, Canada V5V 4V5; 604-873-8878 (phone/fax)

Fractal Terrain Modeler
Modeler
Macintosh II family, LC, SE/30 or larger with FPU or Power Macintosh; hard disk drive; StrataVision 3D.

Fractal Terrain Modeler allows users to create new worlds and landscapes. The intuitive interface allows users to position mountains, valleys, foothills and lakes wherever desired. Control over elevation and depth gives users the freedom to form jagged nose-bleed massifs or gently rolling plains. Color corresponding to terrain height is generated automatically, giving users snow-capped peaks, green mountain meadows, lush valleys and aquamarine blue lakes.
$129 retail
Strata Inc.; 2 W. Saint George Blvd., Ste. 2100; St. George, UT 84770; 801-628-5218, 800-869-6855 or 801-628-9756 (fax)

Gallery Of Dreams: Surreal Imagery
Background patterns
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive.

Gallery of Dreams contains various surreal images, plus background patterns that can be used in slide presentations, reports, multimedia presentations or wherever users might use a background pattern. The images are in 24-bit TIFF format.
$49 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

Grooves
Music clips
Macintosh LC or larger; CD-ROM drive.

Grooves features 100 music clips designed to accompany multimedia presentations. It is designed for use with any application that supports Macintosh or CD audio sound, including HyperCard, SuperCard, Macromedia Director and Macromedia MediaMaker. All clips come ready to use in Resource (HyperCard), SoundEdit and CD audio formats. Grooves also includes a HyperCard front end for playing and copying CD and Macintosh audio. All clips are royalty free if used for non-commercial use.
$149 retail
Media Design Interactive; The Old Hop Kiln; 1 Long Garden Walk; Farnham, Surrey GU9 7HP U.K.; 011-44-252-737630 or 011-44-252-710948 (fax)

Gryphon Dynamic Effects
Special effects library
Macintosh LC or larger; Adobe Premiere; System 6.0.7 or later.

Gryphon Dynamic Effects is a special effects library of 20 filters that are plug-ins for Adobe Premiere. Users can add some sizzle to their digital movies by creating professional-quality effects quickly and easily. Delay each color channel for some colorful "ghosting"; twist and distort images any way imaginable, add some chrome, or flames for that unusual look, or duotone, dust and jitter to recreate an old time movie. Additional filters include some useful utilities, such as Brightness & Contrast. Gryphon Dynamic Effects, Volume 1 allows users to create their own movie magic with the coolest filters around.
$119 retail
Gryphon Software Corp.; 7220 Trade St., Ste. 120; San Diego, CA 92121; 619-536-8815, 800-795-0981 or 619-536-8932 (fax)

Gryphon's Morph 2.0
Smoothly transforms one image into another
Macintosh LC or larger; System 6.0.7 or later.

Gryphon's Morph allows users to create amazing two-dimensional morphing, dynamic morphing, warping and caracaturing animations on the desktop. This software has been noted to be easy to use, compatible with all Macintosh and painting and drawing programs, as well as digitized, scanned or synthetic images. Users can play back the movies as a QuickTime movie or a PICS animation, import into a variety of presentation or editing applications, or use third-party hardware to output to film or video.
$249 retail
Gryphon Software Corp.; 7220 Trade St., Ste. 120; San Diego, CA 92121; 619-536-8815, 800-795-0981 or 619-536-8932 (fax)

Hi Rez Audio Vol. 1
License-free audio tracks
Macintosh LC or larger; 3 MB of available RAM; 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.

Hi Rez Audio Vol. 1 is a collection of 63 professional, license-free audio tracks for use in multimedia presentations. The disc contains 42 original music tracks, ranging from 10 seconds to 1 minute 30 seconds, plus more than 20 sound effects. An elegant interface allows users to browse through 40 minutes of Red Book audio at a click of the mouse. For convenience, digitized versions at 22 KHz and 11 KHz (mono) in AIFF, SoundEdit and SoundEdit Pro have been included. Another unique interface option allows users to copy any sound clip directly to a hard drive. The SoundEdit Pro and AIFF formats are accompanied by MPC Markers (Musical Phrase Change) for easy editing and looping capabilities.
$149.95 retail
Presto Studios, Inc.; PO Box 262535; San Diego, CA 92196; 619-689-4895 or 619-689-8397 (fax)

The Hollywood Film Music Library
Clip music
Macintosh LC or larger; CD-ROM drive.

The Hollywood Film Music Library is "clip" music that features an interface for autolocation and remote control of CD-ROM players. The database catalogs the entire Hollywood Film Music Library — 37 CDs currently — almost 38 hours of digitally-recorded and mastered film/video/multimedia cues, created by award-winning Hollywood composers and producers. The database includes cue description, length, styles, tempo by beat and frame, alternate ending information, instrumentation, composer and publisher information, and location by disc and index number. Multiple field search information is supported. The Hollywood Film Music Library contains roughly 45 minutes of 16-bit redbook CD digital audio and additional 20 minutes of 8-bit mono soundfiles (Audio AIFF files) that can be dragged onto the Macintosh desktop, played and edited with such programs as Sound Designer and Alchemy and used in multimedia presentations created by any software supporting AIFF soundfiles, such as Macromedia Director and Digital Performer. These audio files are licensed for non-broadcast usage by the end user. Additional licensing may be secured through The Hollywood Film Music Library. MIDI soundfiles are also available on an update.
$149.95 retail
The Hollywood Film Music Library; 11684 Ventura Blvd., Ste. 850; Studio City, CA 91604; 818-985-9997 or 818-985-6928 (fax)

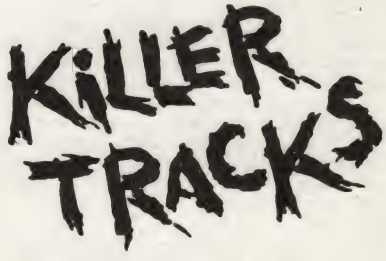
ImageCELs CD-ROM
Seamless, photorealistic, high-resolution texture maps, full-screen backgrounds and images
Macintosh II; 2 MB of RAM; hard disk drive; CD-ROM drive.

The ImageCELs CD-ROM is a royalty-free library of 1,150 seamless, photorealistic, high-resolution texture maps, full-screen backgrounds and images. Included are building materials, environmental objects, designer patterns, landscaping and industrial finishes used universally. Convenient, simple and easy to use, the ImageCELs CD-ROM comes complete with 14 popular file formats, including PICT2 24-bit file format, all on one ISO 9660-formatted CD-ROM. For quick image preview, a full-color laminated photo-index flip chart is also included with each ImageCELs CD-ROM.

The ImageCELs VGA CD-ROM is a royalty-free library of 240 seamless, photorealistic, high-resolution texture maps, full-screen backgrounds and landscape images in 10 VGA file formats, including PICT and TIFF. These real world images are brick, finishes, groundcovers, marble, metals, stone, tile, trees, water, wood and designer textures. All textures and images have a full 256 custom color palette. The ImageCELs VGA CD-ROM has System 7 HFS formatting. A color-laminated photo-index flip chart is included, along with on-screen viewing icons. The ImageCELs VGA CD-ROM is a subset of the ImageCELs CD-ROM. Upgrade to the full 24-bit library is available.

The ImageCELs VGA Library-MAC is a royalty-free library of 180 seamless, photorealistic, high-resolution texture maps in the TIFF file format. These real world images include brick, finishes, groundcovers, marble, metals, stone, tile, water, wood and designer textures of universal nature. It comes complete with on-screen viewing icons and a full-color laminated photo-index flip chart. The ImageCELs VGA Library-MAC is a subset of the ImageCELs CD-ROM. Upgrade to the full 24-bit library is available.
$495 retail; ImageCELs CD-ROM
$99 retail; ImageCELs VGA CD-ROM
$99 retail; ImageCELs VGA Library-MAC
IMAGETECTS; 7200 Bollinger Rd., #802; San Jose, CA 95129; 408-252-5487 or 408-252-7409 (fax)

Killer Tracks Multi Media Music Library
Diverse collection of cutting edge music created specifically for multimedia productions
Macintosh II; 4 MB of RAM; System 6.0.7 or later; CD-ROM drive.



The Killer Tracks Multi Media Music Library is a three CD audio collection that has been specifically produced for multimedia productions. They are available on CD-ROM in both AIFF and WAV. files, as well as "Red Book" audio. Each of the three CDs — Sales, Training and Education — contain more than 60 minutes of music, production elements and live sound effects. The music categories contained on each CD are as follows: Rock, Urban, Hi-Tech, Comedy, Semi-Classical, Mellow, Industrial and New Age. Also included is a wide variety of production elements, such as zaps, stingers, space effects, links and bridges, comedy effects and live office sound effects. The CD-ROM formats are as follows: 22 KHz 8-bit Mono AIFF files for Macintosh; and 22 KHz 8- and 16-bit Stereo WAV. files for PC. This library is licensed exclusively for non-broadcast multimedia productions.
$69 each retail; CD-ROM or Red Book audio CD
$175 retail; all three CDs
Killer Tracks; 6534 Sunset Blvd.; Hollywood, CA 90028; 213-957-4455, 800-877-0078 or 213-957-4470 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

ListMaster
Transforms names into graphic effects
Macintosh Plus or larger; PostScript printer.

ListMaster allows users to take one name, a list of a few names or even lists of hundreds of names and turn them into exciting new graphics. ListMaster will fill circles, triangles, diamonds, spirals, rectangles and numbers with a name list. Tiling routines allow for large graphics, so artwork for beach towels, blankets or jumbo posters can be created with ease. Effects created with ListMaster can be printed directly or saved as EPS files. ListMaster can take name lists directly from a word processor, or it has its own built-in name editor. Bullets can be added automatically to the list and any PostScript font can be used to create the various effects. Names set to form multiple numbers print continuously. For example, "1990" will fill, in order, from the first name to the last and, if the list isn't long enough, it repeats until all of the digits are full.
$195 retail
Nikrom Technical Products, Inc.; 176 Ft. Pond Rd.; Shirley, MA 01464; 508-537-9970

Loops: Music For Multimedia
100 music loops
Macintosh LC or larger; 4 MB of RAM; System 6.0.7 or later; CD-ROM drive.

Users can take multimedia to new heights of taste and enjoyment with 100 music loops to convey a full range of moods of style. Created by leading British session musicians, users will find a highly original and imaginative blend — all royalty-free for non-commercial or broadcast use. Categories include: Media (high-impact intros and themes); Rock (attention-grabbing, up-tempo riffs); Jazz (cool, sophisticated modern jazz); Fun (when users want a lighter touch); World (evocative, travel themes); Atmospheres (abstract tonalities and textures); and Shorts (stings, fanfares and endings). Each track is supplied in full stereo CD-Audio (22 KHz), AIFF and in the standard MIDI file format.
$99 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Magiclips Music
Library of musical clip art
Macintosh LC or larger; CD-ROM drive.

Magiclips Music is a library of production music, or musical clip art, on CD and CD-ROM. The music is composed and produced by professionals, and the purchase price pays all uses with presentations (no additional reporting, royalties or fees). File types included on CD-ROM include 11K .voc; 11 thru 44K .wav; MIDI 0, MIDI 1 and Master Tracks Pro MIDI. Magiclips Music includes 35 complete compositions (including seven fanfares), each fully orchestrated and creating a different "feel." Although the production style is contemporary, pieces with classical and traditional American overtones are included. Composition lengths range from 9.5 seconds to 65 seconds (entirely digital recording chain).
$89.95 retail
Wolfetone Publishing; 1010 Huntcliff, Ste. 1350; Atlanta, GA 30350; 404-992-7500 or 800-949-8663

Media-Pedia Video Clips
More than 150 video clips
Macintosh II; video digitizing board; QuickTime; videocassette recorder.

Media-Pedia Video Clips is a collection of more than 150 video clips with sound tracks, representing more than 500 shots of inspiring nature, electrifying technology and the wonders of civilization. It includes 50 minutes of incredible video with full production rights, including broadcast and worldwide markets. Media-Pedia Video Clips make stock footage easy. Professionally-shot and selected clips from most decades of the 20th Century give visual and dramatic power to productions. Media-Pedia Video Clips are referenced and presented in a unique Dramatic Knowledge System for easy comparison of visual, dramatic and information content. Each subject is pre-edited in thematic sequences for convenient use as a ready-made montage.
$195 retail; VHS
$295 retail; S-VHS, Hi8
$495 retail; Betacam SP
Media-Pedia Video Clips Inc.; 22 Fisher Ave.; Wellesley, MA 02181; 617-235-5617 or 617-237-3440 (fax)

Mediasource: Natural Sciences Library
Stock photos, production music and sound effects
Color Macintosh; 13-inch monitor; 500K VRAM; System 7.0 or later; CD-ROM drive.

Mediasource is a series of CD-ROM libraries containing professional-quality stock photos, production music and sound effects with reuse rights for desktop multimedia presentations. Each title contains 1,500 images and 90 minutes of music and sound effects and includes search software to find just the right image or audio clip. Images were captured at 640 by 480 in 256 colors in PICT format and audio was digitized at 8 bit, 22.5 KHz PCM in AIFF format. The Natural Sciences Library is a collection of full-color photos on topics related to the natural sciences, including agriculture, anatomy, biology, botany, chemistry & physics, environmental science, geology, nutrition, weather & climate and zoology, with a varied selection of background music, fanfares, bridges and sound effects.
$59.95 retail
Applied Optical Media Corp.; 1450 Boot Rd., Bldg. 400; West Chester, PA 19380; 215-429-3701, 800-321-7259 or 215-429-3810 (fax)

Mediasource: Sights And Sounds
Stock photos, production music and sound effects
Color Macintosh; 13-inch monitor; 500K VRAM; System 7.0 or later; CD-ROM drive.

Mediasource is a series of CD-ROM libraries containing professional-quality stock photos, production music and sound effects with reuse rights for desktop multimedia presentations. Each title contains 1,500 images and 90 minutes of music and sound effects and includes search software to find just the right image or audio clip. Images were captured at 640 by 480 in 256 colors in PICT format and audio was digitized at 8 bit, 22.5 KHz PCM in AIFF format. The General Topics Library — Volume 2 is a collection of full-color photos on a broad range of topics that complements Volume 1, including animals, architecture, business, industry, international, people, recreation, scenics and more with a varied selection of background music, fanfares, bridges and sound effects. The sampler version has 150 images and 12 minutes of audio.
$19.95 retail
Applied Optical Media Corp.; 1450 Boot Rd., Bldg. 400; West Chester, PA 19380; 215-429-3701, 800-321-7259 or 215-429-3810 (fax)

Multimedia Clip Collection CD For Mac
License-free assortment of multimedia clips and movies with sound
Any color Macintosh; CD-ROM drive.

This unique multimedia source disc on CD-ROM is a collection of license-free media clips featuring more than 100 QuickTime movies with sound, more than 100 nature and tileable texture backdrop pictures in both 8- and 24-bit, 100 color button images and more than 100 sound and music clips. The unique color browser lets users preview the clips directly from the disc.
$19.95 retail; bundle and distributor pricing available
Publishers Network, Inc.; PO Box 3190; Dept. MPR; Vista, CA 92085; 619-941-4100 or 619-941-0773 (fax)

The Multimedia Library CD-ROM Royalty Free Series
Series of royalty-free image, sound, MIDI file and educational CD-ROMs
Macintosh II or larger; 4 MB of RAM; CD-ROM drive; System 6.0.7 or later.

Each image CD-ROM in the Image series contains 200 color photographs, each in 24-bit TIFF, gray-scale and 8-bit system palette PICT format. Image Series titles include: Volume I: Russia/China; Volume 2: South Pacific/California Coast; Volume 3: Parades/Demonstrations and Special Occasions; Volume 4: Art of Ancient Egypt (from the collection at the Metropolitan Museum of Art); Volume 6: Arms and Armor (from the Collection at the Metropolitan Museum of Art); Volume 7: Islamic and Ancient Near East Art (from the Collection at the Metropolitan Museum of Art); Volume 8: Nation's Capital/New York City; Volume 9: The Holy Land; and Volume 10: Aloft! — Photographs by World Freestyle Hang Gliding Champion John Heiney. More titles are being prepared.

Each royalty-free Sound CD-ROM contains roughly one hour of sound (200 15 to 30 second music clips), divided into short segments suitable as audio enhancements of multimedia and desktop presentations. Sound Series titles include: Volume 1: Music for Multimedia, which includes clips of rock and pop music, polyrhythms, fanfares, Christmas carols, hymns and children's songs; and Sound Series Volume 2: Ethnic and Acoustic Music for Multimedia, which contains 200 sound clips of varying lengths from 15 to 20 seconds up to three minutes of Greek, African, Latin American, Irish, American Folk, South Indian and acoustic drums, guitar and piano pieces.

Each MIDI File disc contains files in standard MIDI format along with The Multimedia Library's unique MIDI Browser, which allows any theme to be found by composer, musical category or note search (solfeggio). Volumes 1 and 2 each contain 4,000 classical music themes (the works of more than 150 composers) from the "Dictionary of Musical Themes" by Barlow and Morgenstern as published by Crown Publishers. Volume 3 contains the 23 Mozart String Quartets. Volume 4 contains Beethoven Symphonies 5 and 6.
$199 each retail
The Multimedia Library; 37 Washington Sq. W, Ste. 4-D; New York, NY 10011; 212-674-1958 (phone/fax) or 800-362-4978

■ **Multimedia Power Tools**
Provides easy review and access of clip media files, programs and step-by-step presentations of multimedia projects
Macintosh LC or larger; 5 MB of RAM; CD-ROM drive; color monitor.

Multimedia Power Tools CD-ROM interface is a state-of-the-art design for easy review and access of the hundreds of usable clip media files and programs, and step-by-step presentations of multimedia projects. It includes an animated guided tour with a video tour guide. Users can browse through the Power Tools files, try out programs, learn from demos and copy any tool from the CD-ROM with a click of the mouse. The disc offers effective instruction with step-by-step presentations and actual sample project files for hands-on experience. The book's Power Code references allow users to go instantly via keyboard commands to specific points on the CD-ROM to access the utility, clip media file, product demos — or view one of the 15 step-by-step project presentations. Power Tools CD-ROM will inform and educate multimedia beginners and pros alike.
$49.95 retail
Verbum, Inc.; 2187C San Elijo Ave.; Cardiff, CA 92007; 619-944-9977 or 619-944-9975 (fax)

Multiple Media Tour
Royalty-free graphics, animations, sounds and QuickTime movie resources
Macintosh LC or larger; color monitor; System 6.0.5 or later; CD-ROM drive.

The Multiple Media Tour is a CD-ROM collection of more than 1,500 royalty-free graphics, animations, sounds and QuickTime movie resources for use in a myriad of software, presentation, demonstration and marketing projects. An extremely user-friendly interface provides simple click-and-go access of resource materials. The Multiple Media Tour interface also supports six different languages (English, Japanese, French, Spanish, German and Italian), providing ease of use worldwide. The Multiple Media Tour offers 10 categories of resources, including Textures, photographic and original design Backgrounds, 22 KHz sampled Sound Effect and Musical selections, seamless, design and quadrant Tiles, Borders and Frames, Clip Art, Macromedia Director-based Animations, Icons and Bullets, stone and wooden Buttons and QuickTime Movies.
$229 retail
Audio Visual Group; 398 Columbus Ave., Ste. 355; Boston, MA 02116; 617-646-9050, 800-676-7284 or 617-646-8155 (fax)

MultiWare
Media clips
Macintosh LC or larger; CD-ROM drive.

MultiWare is a collection of license-free media clips. It includes 100+ QuickTime movies with sound, 100+

nature and tileable texture backdrop pictures (24- and 8-bit), 100 color button pictures and more than 100 sound and music clips. The CD-ROM also includes a color browser that lets users preview the material directly from the CD-ROM disc. MultiWare is completely System 7 savvy.
$79.95 retail
BeachWare; 5234 Via Valarta; San Diego, CA 92124; 619-492-9529

The Music Bakery
Professional-quality music for multimedia producers
CD-ROM drive.

The Music Bakery is professional-quality production music featuring live instruments, real musicians and award-winning compositions for multimedia presentations. Subscribers receive a new CD every other month. Each CD contains a wide range of musical styles in full lengths (approx. 4 minutes), 60s, 30s and tags. Eighteen CDs are currently available, and a catalog containing a complete description of every cut on every back-issue is included with a user's first CD. The Music Bakery offers a no-risk free trial offer and a 100 percent money-back guarantee on every issue. Users can cancel at any time and still retain their license.
$48 each retail
The Music Bakery; 7134-A Campbell Rd. #1; Dallas, TX 75248; 800-229-0313 or 214-414-3160 (fax)

Music Madness I CD-ROM
Original sound tracks for desktop presentations
Macintosh Plus or larger; System 6.0.5 or later; CD-ROM drive.

With the tools provided on the Music Madness CD-ROM, users can utilize the 318 music and effects clips to build their own tunes, add sound to their Macintosh or add sound to their multimedia projects. The six music topics include jazz, rock, funk, multimedia, phrases and effects. This volume also contains great QuickTime space animations.
$99 retail
AMUG; 4131 N. 24th St., #A-120; Phoenix, AZ 85016; 602-553-8966 or 602-553-8771 (fax)

Music Madness II CD-ROM
Original sound tracks for multimedia
Macintosh Plus or larger; System 6.0.5 or later; CD-ROM drive.

The Music Madness CD-ROM features more than 600 MB of music, tools and effects. Support is provided for System 7, QuickTime, HyperCard, AIFF, AudioShop and Sound Factory, AMUG's Tune sampling and building HyperCard interface. With the tools provided on the CD-ROM, users can utilize the 158 individual music and effects clips provided to build their own tunes, add sound to the Macintosh, create sound files, add sound to multimedia projects or applications, create music effects, learn about sound or become their own sound stage manager. Six music topics are available, including Jazz, Rock, Funk, Latin, Drums and Cool Licks. These files can be utilized separately or together to create a desired sound. The music is royalty free for commercial or non-commercial use. Custom music is also available for special needs.
$99 retail
AMUG; 4131 N. 24th St., #A-120; Phoenix, AZ 85016; 602-553-8966 or 602-553-8771 (fax)

Musical Instruments & Sound Effects Resource Libraries
Sound libraries
Macintosh Plus or larger; 1 MB of RAM; two 800K disk drives or hard disk drive; HyperCard.

The Musical Instruments Sound Resource Library 1 contains 150 musical instruments and musical effects. The Sound Effects Sound Resource Library 1 contains 100 different sound effects. A printable sound catalog is provided with each disk, displaying the resource name, resource number and size in bytes.
$49.95 each retail
B&B Soundworks; PO Box 7828; San Jose, CA 95150; 408-241-7986

MusicBytes
Music and sound effects
Macintosh LC or larger; 2 MB of RAM; hard disk drive; HyperCard 2.0 or later for Media Librarian; System 6.0 or later; CD-ROM drive.

MusicBytes is a license-free audio solution for multimedia. Users can add music and sound effects to presentations, applications, education/training programs, home videos and more. MusicBytes contains 27 original tunes and more than 100 sound effects, and features performances by artists that have toured and recorded with Pink Floyd, the Doobie Brothers, Toto and others. MusicBytes includes CD audio, Wave files (PC), AIFF files (Macintosh) and MIDI; plus 60, 30, 15 and 5 second versions. The Media Librarian, an easy-to-use database program, allows users to audition, catalog, copy and find files.
$99.95 retail
Prosonus; 2820 Honolulu Ave., #268; Verdugo City, CA 91046; 818-766-5221

Nature In Motion
Exotic movies of the plant and animal kingdoms
Macintosh LC or larger; 8-bit or greater color display; System 6.0.5 or later; CD-ROM drive.

Through the South American rain forests, under tropical island waters, to the lush jungles of Asia and Africa, this CD-ROM is packed with exquisite movies of nature's most gorgeous plants and stunning creatures. Coupled with the video is an equally rich collection of classical orchestrations by such master composers as Verdi, Bizet, Mozart, Hayden and Beethoven.
$59.95 retail
Jasmine Multimedia Publishing; 6746 Valjean Ave., Ste. 100; Van Nuys, CA 91406; 818-780-3344, 800-798-7535 or 818-780-9705 (fax)

Oy Vey!
Audio clips of Jewish tunes
Macintosh Plus or larger; SoundMaster or Kaboom; System 7.0 or later.

Oy Vey! has more than 50 audio clips of popular Jewish tunes. The sounds include Chasidic tunes, modern hits, wedding standards and Yiddish phrases, like "Oy Vey!"
$19.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

Page Overtures One
Exquisite, high-resolution photographic background textures
Macintosh II or larger; 4 MB of RAM; 8-bit color monitor; QuickTime 1.6 or later (included); System 6.0.7 or later; CD-ROM drive.

Page Overtures One is a CD-ROM library of 100 high-resolution, full-page, 24-bit color, photographic background textures for color printing, multimedia and slide production, or that can be used as premium graphic source material. Each image comes in four resolutions in JPEG-PICT file format in 24-bit color: High — 9 by 12 at 266 dpi (133-line screen); Low — 9 by 12 at 72 dpi (hi-res proxy); Slide — 1,875 by 1,250 at 266 dpi; and Multimedia — 640 by 480 at 72 dpi. A printed browser of all the images is provided, as well as an electronic browser. All images are royalty free for use in a user's own graphic productions.
$129 retail
Form and Function; Distributed by Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Photomoods
Royalty-free library of background images
System 7.0 or later; CD-ROM drive.

Users can banish the "blank page blues" with this unique collection of 100 royalty-free photographic images on CD-ROM. Rich detail and real-world textures provide a feast of inspiration for Macintosh designers and artists. Ranging from the subtle to the exotic, these images are ideal for backgrounds, text fills, borders and other artwork elements. The files are provided in 32-bit color high resolution (3,072 by 2,048) for prepress and slides and screen resolution (640 by 480) for multimedia and video applications. Each disc includes 40 additional screen resolution images, five PostScript fonts, slide showing utility, Aldus Fetch format catalog and a full-color printed image catalog.
$189.95 retail
Shardonnay Audio Visual, Inc.; 3804 Evans St., #23; Los Angeles, CA 90027; 213-913-1238 or 213-913-7917 (fax)

Pixar One Twenty Eight
Production-quality images to compliment graphic arts software
Macintosh II or larger; 4 MB of RAM; hard disk drive; 32-bit QuickDraw; color display (24-bit card recommended); System 6.0.7 or later; HFS or ISO-compatible CD-ROM drive.

Pixar One Twenty Eight is Pixar's private collection of high-quality, photographic textures specifically designed for use in computer graphics. The textures on this CD are ideal for use with paint, photo retouching, page layout, presentation, video and multimedia applications. The collection incorporates a patented technology that allows the textures to be tiled seamlessly. As a result, when the textures are tiled to cover a large area, they will appear as a single, smooth image without breaks or lines. The Pixar collection is easily accessed through a plug-in for Photoshop. The Pixar library includes 128 unique 512 by 512, 24-bit TIFF files, which tile seamlessly to fit any area up to 4,000 by 4,000 or 300 dpi at 13.3 by 13.3 inches. The CD can be read by any application that can read TIFF files on Macintosh, Windows and Unix workstations.
$299 retail
Pixar; 1001 W. Cutting Blvd.; Richmond, CA 94804; 510-236-4000, 800-888-9856 or 510-236-0388 (fax)

Pixar Typestry 2.0
Software for creating dimensional type
Macintosh II; 8 MB of RAM; math coprocessor; 32-bit QuickDraw; MultiFinder; System 6.0.7 or later.

Pixar Typestry transforms Type1 or TrueType fonts and Adobe Illustrator files into three-dimensional objects. Users can scale them, twist them, stretch them, warp them—even make a little movie with them. Typestry invokes RenderMan magic to transform a simple word into an extraordinary picture. Version 2.0 of Pixar Typestry features more power, more design options and more amazing effects. In addition to the stunning lighting effects and motion blur, new features include animatiable shooting Particle effects and Rubber sheets to create waving flags and bouncing balls. Images will sparkle, sizzle and glow. Users can use their own PICT and TIFF files to make new Looks or customize versions of existing Looks. Many of the new capabilities make it suitable for multimedia professionals, but the images can easily by used in print.
$299 retail
Pixar; 1001 W. Cutting Blvd.; Richmond, CA 94804; 510-236-4000, 800-888-9856 or 510-236-0388 (fax)

PolyTechnics
Special effects for use with ElectricImage models
Macintosh II; 8 MB of RAM; System 7.0 or later.

PolyTechnics empowers users to create special effects and modify models in ways never before possible. PolyTechnics provides a suite of powerful features that were designed to operate directly on ElectricImage models, creating complex replacement animations quickly and easily. Features include: Explosions, providing the ability to shatter FACT models in a variety of manners over a multiple frame sequence; Emitters, which release particles according to a widely variable set of parameters, including energy, entropy, time, color and direction; Magnets, which affect both FACT models and particles generated by emitters; Channels, which act as poly/particle reflectors and traps, containing or excluding particles as necessary; and Gravity, which can affect entire models, as well as polys and particles, exerting a continuous pull in any direction. These features can be used individually or in combination with each other. Multiple concurrent explosions, magnets, emitters and channels are allowed. Multiple models can be independently scaled as they are brought in PolyTechnics to assure compatibility.
$1,495 retail
Shaman Exchange, Inc.; 12708 Foxton Rd.; Foxton, CO 80441; 303-674-9784 or 800-624-8597

Power Backgrounds
Backgrounds
Macintosh Plus or larger.

The Power Backgrounds packages feature high-tech and contemporary 35mm color slide backgrounds as PICT files. These background files are automatically imported into all popular presentation graphics programs, such as Persuasion and PowerPoint, where the text and chart information is added. These profes-

These Products Available Through Bottom Line Distribution
1-800-347-1923

sional-quality designs are also available in .WMF, CGM, .WPG and .IMA formats. The packages come complete with a manual that indexes and illustrates the various designs and color combinations. The manual also explains how to use the societal and psychological effects of color and design. PICT Background files are 24-bit color, vector files.
$97.50 each retail
California Clip Art; 1750 California St., #114; Corona, CA 92719; 909-272-1747 or 909-272-3979 (fax)

PROclaim!
Multimedia images and sounds
Macintosh LC or larger; QuickTime; System 6.0.7 or later; CD-ROM drive.

PROclaim! is a System 7-compatible CD-ROM filled with high-quality QuickTime movies, animations and professional clip art. It features more than 600 MB and 600 QuickTime clips, including 250 video clips from professional video sources, all captured and saved as 24-bit QuickTime movies. Subject areas in this first volume include: Business, Office, Equipment, Technology, Cities, People & Places, the Environment, Military and Space. In addition, PROclaim! includes 300 video animated title phrases already made into QuickTime movies, plus 50 presentation animations saved in QuickTime and PICS format. PROclaim! includes 175 EPSF clip art drawings from professional artists, 50 video style presentation backgrounds and 50 photo backgrounds captured full screen from the videos on the CD-ROM. A variety of background themes and sound effects are also included, as well as a HyperCard visual directory, Popcorn (a QuickTime video player from Aladdin Systems) and the QuickTime system extension.
$399 retail; includes extensive reuse rights of the clip media free of any additional royalties
Compact Designs, Inc.; PO Box 8535; Gaithersburg, MD 20898; 301-869-3919 (phone/fax)

Pyromania! (Playing With Fire On CD-ROM)
High-quality, 24-bit color PICT file sequences and QuickTime movies
Macintosh LC or larger; QuickTime; System 7.0 or later; CD-ROM drive.

Pyromania! is a royalty-free collection of high-quality, 24-bit color PICT file sequences and QuickTime movies of fires and explosions. There are 19 different sequences, each lasting from 24 frames to 160 frames for a total of 1,100 PICT files. The originals are not "video captured," but are professionally photographed using 35mm motion picture cameras at a Hollywood visual effects studio. The images were scanned pin-registered at 2K (2,048 by 1,536) resolution and sampled down to 640 by 480 resolution at 72 dpi. Twenty-four QuickTime movies are provided as previews and running examples of how to use some of the material. Pyromania! is for use in game development, multimedia, broadcast video, scientific analysis and blowing up spaceships. Also used on "Babylon 5."
$199 retail
VCE, Inc.; 13300 Ralston Ave.; Sylmar, CA 91342; 818-367-9187, 800-242-9627 or 818-362-3490 (fax)

QuickLaffs Volume 1 & 2
QuickTime movies of classic films
Macintosh LC or larger; 2 MB of RAM (5 MB with System 7); System 6.0.7 or later; CD-ROM drive.

The QuickLaffs CD-ROM contains QuickTime movies of classic films from the 1920s and 1930s featuring performers, such as Charlie Chaplin, Buster Keaton, W.C. Fields and others. They're a collection of the beloved vintage black and white movies of the Golden Era of movies. Volume One contains Charlie Chaplin's "The Tramp" and "Twenty Minutes of Love," plus the Keystone Cops' "Love, Speed and Thrills." Volume Two features W.C. Fields in "The Dentist" and Charlie Chaplin in "The Vagabond." The CDs include QuickTime Extension and Movie Player.
$29.95 each volume retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

QuickToons I: Cartoon Classics
Cartoon classics in QuickTime
Macintosh LC or larger; 1 MB of free RAM; hard disk drive; CD-ROM drive.

With QuickToons, users can enjoy cartoon classics in QuickTime on Macintosh or PC computers. QuickToons features public domain cartoons, including: "Betty in Blunderland" starring Betty Boop (black & white); "Porky's Cafe" featuring Porky Pig (in color); "Ali Baba Bound" with Porky Pig (in color); "The Henpecked Duck" featuring Daffy Duck (black & white); "A Coy Decoy" with Daffy Duck (black & white); and "Bimbo's Auto" starring Bimbo (in color). Clips from any of these cartoons will work just great for multimedia presentations or, users can just sit back and enjoy them for pure entertainment. Users can also learn about the history of these cartoons and about the characters within them. These are full length cartoons in color or black and white, but not both. Each cartoon is complete with audio.
$25 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

QuickToons II: What's Up, Disc?
QuickTime movies
Macintosh LC or larger; 1 MB or free RAM; hard disk drive; CD-ROM drive.

Welcome to a nostalgic compilation of some of the best early and timeless cartoon classics. Enjoyable for their artistic value and slapstick humor, these QuickTime movies will make users laugh again and again. QuickToons II: What's Up, Disc? contains six cartoons: "Falling Hare" Bugs Bunny; "The Case of the Missing Hare" Bugs Bunny; "Parlez Vous Woo" Popeye; "Cooking with Gags" Porky Pig. This series of QuickTime volumes was produced to provide pre-digitized and pre-compressed QuickTime movies for education, entertainment, personal library and potential multimedia projects.
$25 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

Scenic Stills
Photographic backgrounds and textures
Macintosh LC or larger; 8-bit or greater color display; System 6.0.5 or later; CD-ROM drive.

From far-off locations to close-up photographic textures, this disc features a diverse collection of scenic background stills. From Red Square to red hot chili peppers, from Paris at twilight to Italian marble, this CD-ROM is packed with hundreds of exquisite images and an assortment of fully orchestrated production music that will bring a professional quality to any program or presentation.
$59.95 retail
Jasmine Multimedia Publishing; 6746 Valjean Ave., Ste. 100; Van Nuys, CA 91406; 818-780-3344, 800-798-7535 or 818-780-9705 (fax)

Science In Motion
Discover the world of science and medicine
Macintosh LC or larger; 8-bit or greater color display; System 6.0.5 or later; CD-ROM drive.

Science in Motion enables users to discover the world of science and medicine. Users can witness the scientific breakthrough of a lifetime, as well as explore the mysteries of science and medicine as only eminent researchers have seen before.
$59.95 retail
Jasmine Multimedia Publishing; 6746 Valjean Ave., Ste. 100; Van Nuys, CA 91406; 818-780-3344, 800-798-7535 or 818-780-9705 (fax)

Screen Caffeine Pro
Background images and texture patterns
Color Macintosh; 13-inch monitor; CD-ROM drive.

Screen Caffeine Pro is a collection of 530 professionally produced background images and texture patterns for multimedia and presentation designers. The images are fully digitally created, not scanned, and supplied on a single CD-ROM. Also included are more than 100 examples showing the backgrounds used in multimedia and presentation designs. The images and examples are accessed through an interactive browser and include an entire spectrum of visual effects — from stark, monchromatic options to vibrant hues. Also included are more than 400 step-by-step instructions on how to produce variations from the graphics. The images are 72 dpi; 640 by 480; millions of colors; and in PICT format.
$199 retail; demo disk available
Jawai Interactive, Inc.; 501 E. Fourth St., #511; Austin, TX 78701; 512-469-0502, 800-600-6706 or 512-469-7850 (fax)

Seasons In Motion
Movies glorifying the change of seasons
Macintosh LC or larger; 8-bit or greater color display; System 6.0.5 or later; CD-ROM drive.

Seasons in Motion enables users to watch winter, spring, summer and fall come alive; and marvel in the beauty and spirit of the varied ways in which man adapts to the Earth's changing seasons. They can take an imaginary trip from the changing leaves of a New England fall, through snowy ski slopes, across fields of spring's first blooms, to the sun drenched beaches of summer resorts. Each beautiful video captures the wonder and joy of the season. Accompanying the videos are music instrumentals ideal for any multimedia presentation.
$59.95 retail
Jasmine Multimedia Publishing; 6746 Valjean Ave., Ste. 100; Van Nuys, CA 91406; 818-780-3344, 800-798-7535 or 818-780-9705 (fax)

Smart Art
Text effects, graphics and borders
Macintosh Plus or larger; LaserWriter.

Smart Art is a library of customizable headline text and graphics effects. Each volume in the Smart Art series contains 15 effects, stored as EPS files, that can be manipulated using the Smart Art desk accessory and pasted into page layout, word processing, presentation or other applications, and printed on a PostScript printer. Smart Art Volumes I, III and IV contain headline text effects, such as fitted arc, neon and diffuse shadow. Smart Art headline text effects work with all Type 1 and Type 3 PostScript fonts, including the entire Adobe Type Library. Smart Art Volume II contains two- and three-dimensional graphic effects, such as spirals and starbursts.
$149.95 each retail
Adobe Systems, Inc.; 1585 Charleston Rd.; PO Box 7900; Mountain View, CA 94039; 415-961-4400, 800-833-6687 or 415-961-3769 (fax)

Sound Clips 1.0
Sound effects
Macintosh Plus or larger.

Sound Clips features an average of 100 sounds per volume, giving users a stockpile of effects for a variety of uses, including multimedia presentations. Volume One includes: Jaws, lawn mower, phone ring, police car, phone slam, racquetball, dial tone, toilet, airplane, baby noise, belches, boat horn, wind, cymbals, cuckoo, coughs, deserted planet and more. Volume Two includes: grenade, rotary dial, wedding, whale song, sax blues, scream in agony, spacecraft taking off, drum rolls, evil laugh, taps, harmonica, mouse slipping on floor, large dog bark, Jessica Rabbit and more. Volume Three includes: at the beach, base hit, chip shot, darts, eight ball corner, fairway wood, horseback, ping pong, bowling strike, roulette, hand gun and more. Volume Four includes: 18 wheeler, '63 Chevy Impala, 727 departing, ambulance chasing, drive thru, freight train, London police, helicopter, whale party and more.
$149 retail
Olduvai Corp.; 9200 S. Dadeland Blvd., Ste. 725; Miami, FL 33156; 305-670-1112, 800-548-5151 or 305-670-1992 (fax)

Sound Creative
CD-ROM sound librarian
Macintosh Plus or larger; CD-ROM player.

Sound Creative is a CD-ROM sound librarian for HyperCard, VideoWorks, SoundEdit, SoundWave, SoundCap and Studio Session. It contains more than 610 MB of data. Although the design was made in France, two languages are used (French and English) to help recover the desired information. Since the creation of the disc, a second index search has been made available on disk (i.e., a utility under HyperCard). The stack knows how to handle synonyms in relation to sound in three languages — Spanish, French and English. It allows users to copy the sounds onto HyperCard stacks and permits users to listen to them as a function of the search. In total, there are 5,962

modifiable and editable files (regardless of public domain files). Out of these, about 3,000 sounds are simple words from spoken French. These are useful for education because they are very didactic.
$80 retail
CDR Informatique; BP32; Limours 91470, France; (33) (1) 64-91-26-76 or (33) (1) 64-91-47-69 (fax)

Sound Effects Collection CD
Compilation of sound clips and special effects
Any color Macintosh; CD-ROM drive.

Sound Effects CD-ROM is a vast compilation of 2,177 sound effects and short music clips. Each sound is conveniently stored in both SoundEdit and System 7 Beep Sound formats for the Macintosh (and WAVE format for Microsoft Windows). A special browser lets users sample each sound with a host of sound utility programs for customizing their computer and programs. The sounds are organized by categories including animals, beep/clicks, bells/whistles, cartoons, chimes, classic effects, computer environments, equation-generated effects, high-tech, house, humor, instruments, shorts, nature, notes/chords, office, people, scary, space, sports, tasteless things, war/military, water and weird.
$19.95 retail; bundle and distributor pricing available
Publishers Network, Inc.; PO Box 3190; Dept. MPR; Vista, CA 92085; 619-941-4100 or 619-941-0773 (fax)

Sound Library 2000
Digitally-recorded sounds
Macintosh Plus or larger; 1 MB of RAM; CD-ROM player.

Sound Library 2000 CD-ROM contains more than 2,000 digitally-recorded sounds. It is a clip-sound library and contains 140+ MB of auditory files. Categories of sound segments include: animals; household; musical instruments; sounds of nature; planes, trains and automobiles; beeps; people; short phrases; and miscellaneous special effects.
$49 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

Sound Library Pro
Digitally-recorded sound library
Macintosh LC or larger; 2 MB of free RAM; CD-ROM drive.

Sound Library Pro contains more than 1,200 digitally-recorded sounds for Macintosh and Windows users. The sounds on this disc are 8-bit, 22 KHz and 11 KHz. The main sound categories of sound segments are: Animals, Household, Instruments, Nature, Special Effects and Voice. Each main category has a wide variety of subcategories, such as Birds, Horns, People, Sports, Tools and Transportation — more than 25 subcategories in all. This disc includes software that allows users to readily browse, listen to or duplicate sounds. This product is copyright friendly.
$25 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

Sound Machine
Sounds
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later; CD-ROM drive.

The Sound Machine contains more than 450 sound effects and classic movie sound clips. Users can replace their Macintosh System sounds with a variety of fun and exciting alternatives, or add them to HyperCard stacks. Stored in sound resource, SoundEdit and other formats, they are ideal for presentations and multimedia. The Sound Machine includes SoundMaster and various other sound utilities. A HyperCard interface is provided to listen to the sounds (HyperCard 2.0 is included).
$49.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Sound/FX CD
Digitized sounds
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; CD-ROM drive.

Sound/FX CD contains more than 225 high-quality, digitized sounds. These sounds, digitized in 8-bit monophonic and full 16-bit stereo, put the power of a recording studio at a user's fingertips. Sounds are divided into 13 separate categories, ranging from On the Farm to At the Office. Within each of these various categories are dozens of sound segments, offering users a wide variety to choose from. From a police siren to an old man laughing, from birds singing to a telephone ring, the Sound/FX CD is designed to give users the tools needed to effectively communicate with their audience. Also included is a collection of one minute background recordings designed to communicate environments, such as office, home or airport.
$69.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Space In Motion
Man's exploration of the final frontier
Macintosh LC or larger; 8-bit or greater color display; System 6.0.5 or later; CD-ROM drive.

Space in Motion allows users to take the ultimate journey through the cosmos. Users can experience the greatest moments in mankind's heroic exploration of the universe with this dramatic collection of video clips. From the Soviet's first rocket blasts to Neil Armstrong's moon walk, users share the glory of the heavens on this exciting CD-ROM adventure. Also included are more than a dozen animations of planets, space stations and satellites. Accompanying the videos are orchestrated masterpieces by such composers as Tchaikovsky, Strauss, Vivaldi and Wagner.
$59.95 retail
Jasmine Multimedia Publishing; 6746 Valjean Ave., Ste. 100; Van Nuys, CA 91406; 818-780-3344, 800-798-7535 or 818-780-9705 (fax)

Sports In Motion
Winning scenes for success motivation
Macintosh LC or larger; 8-bit or greater color display; System 6.0.5 or later; CD-ROM drive.

Educational and business presentations take on new vibrancy with dramatic videos that focus on the importance of individual determination in setting goals, beating the competition and going for the gold. This collection of rousing footage is coupled with dozens of stirring musical themes designed to enliven any presentation or multimedia project.
$59.95 retail
Jasmine Multimedia Publishing; 6746 Valjean Ave., Ste. 100; Van Nuys, CA 91406; 818-780-3344, 800-798-7535 or 818-780-9705 (fax)

Stingers
98 professionally-recorded and edited music clips
Macintosh II; 2 MB of RAM; CD-ROM drive.

Stingers is a Macintosh and MPC-compatible CD-ROM disc containing more than 100 professionally-recorded and edited music clips. It is full of exciting and dramatic music introductions, exits, links and bridges in various styles, including ethnic percussion, solo instruments, drum rolls and sound effects. In addition, all music clips are license free for all multimedia products, including for resale. The Music Bank has tailored Stingers for developers by offering its music segments in lengths from 2 seconds to 2 minutes. To ensure that multimedia developers have the greatest flexibility, each of the 98 music segments are offered in CD-Audio, 22 KHz AIFF 16-bit stereo and mono, 22 KHz AIFF 8-bit stereo and mono, SND, 22 KHz wave 16-bit stereo and mono and 22 KHz wave 8-bit stereo and mono.
$99 retail
The Music Bank; 1821 Saratoga Ave., Ste. 204; Saratoga, CA 95070; 408-777-7710, 800-995-1645 or 408-777-0717 (fax)

StrataShapes
Three-dimensional objects
Macintosh II family, LC, SE/30 or larger with FPU or Power Macintosh; hard disk drive; StrataVision 3D and Studio Pro.

StrataShapes are collections of ready-to-use three-dimensional objects that can be used with StudioPro and StrataVision 3D. Each object in a StrataShapes library is made up of predefined 3D geometry and real life material attributes, like color, texture, glossiness, etc. In addition, some StrataShapes are auto-animated. For example, a helicopter's blades will spin or a bird's wings will flap automatically in StrataVision 3d without a user having to script the motion. StrataShapes libraries include Lighting Shapes, Furniture Shapes, Starter Shapes, Sports and Domestic Cars. There are currently 13 libraries available.
$169 retail
Strata Inc.; 2 W. Saint George Blvd., Ste. 2100; St. George, UT 84770; 801-628-5218, 800-869-6855 or 801-628-9756 (fax)

StrataTextures
Surface/solid materials
Macintosh II family, LC, SE/30 or larger with FPU or Power Macintosh; hard disk drive; StrataVision 3D and Studio Pro.

StrataTextures are collections of surface and solid textures. Libraries allow StrataVision 3D users to apply predefined surface attributes to three-dimensional objects. Each library contains approximately 20 predefined surface attributes. Attributes consist of various combinations of color maps, bump maps and procedural maps. Library attributes can easily be edited. There are currently 15 texture libraries, they include: Wood Textures, Wood Textures II, Stone Textures, Metal Textures, Tile Textures, Brick Textures Off Beat Textures, Solid Textures, Designer Surfaces, StarterTextures and more. StrataTextures give StrataVision 3D users the power to immediately change the surface properties of a selected object, much like a word processing program allows a change of fonts, and just as easily. The libraries give StrataVision 3D users greater flexibility in creating photo-realistic illustrations by conveniently increasing the available surface attribute options.
$139 each retail
Strata Inc.; 2 W. Saint George Blvd., Ste. 2100; St. George, UT 84770; 801-628-5218, 800-869-6855 or 801-628-9756 (fax)

SuperToons
Full-color Superman cartoons in QuickTime
Macintosh LC or larger; 1 MB of free RAM; hard disk drive; CD-ROM drive.

Now users can enjoy Superman cartoons right on their own computer. SuperToons contains 30 minutes of full-color QuickTime movies featuring Superman. Each movie is complete with audio. This CD-ROM contains two different movie types: the movies on the root have been optimized for CD playback in real time, while the directory labeled "HiRez" contains better-quality, higher-resolution movies that may be used for desktop presentation or anything that requires high-quality images. Included are: "Volcano," "Underground World," "Mechanical Monsters" and "Terror on the Midway."
$25 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

SwivelArt Collections
Three-dimensional models
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.

The SwivelArt Collections are six separate packages of sophisticated three-dimensional models bundled with a run-time version of Swivel 3D. Illustrators and multimedia specialists can customize SwivelArt models for use in other Macintosh graphics and presentation programs. Features include: detailed three-dimensional models; general presentation graphics from SwivelArt Original, Maps I: North and South America and Maps II: Africa, Asia, Australia, and Europe, Viewpoint Sea and Air, Viewpoint Cars and Viewpoint Anatomy; 2 and 4 MB run-time versions of Swivel 3D, a three-dimensional modeling program for the Macintosh; and Draw, Paint and EPSF output.
$250 each retail
$129.95 retail; SwivelArt Original
Macromedia; 600 Townsend St.; San Francisco, CA 94103; 415-252-2000 or 415-626-0554 (fax)

Ted Does Sound Effects
Outrageous sound effects and multimedia audio clips
Macintosh Plus or larger.

Ted Does Sound Effects is a massive collection of completely outrageous sound effects and multimedia

audio clips. Each has been professionally recorded and mastered by sound experts. Every zing, bang, crash and blood-curdling yell, and every jazz, rock and instrumental clip will make a user's own creation come to life. Ted Does Sound Effects is compatible with most audio editing and multimedia software.
$99 retail
Ted Productions; 14567 Big Basin Way, #4B; Saratoga, CA 95070; 408-741-4770 or 408-867-0518 (fax)

Texture City Pro 100 #1
Professional-quality textures
Macintosh Color Classic or larger; 2 MB of RAM; 24-bit color capability; CD-ROM drive.

Texture City offers users the very best in True-Color 24-bit imagery for use in video production, 3-D graphics, color slides and print production. Texture City's extensive library provides the ultimate in digital production images. These professional-quality textures include animal skins, minerals, stones, woods, textiles, plants, space, marbles, metals, special fx, scenics and much more. There are 100 different 752 by 480 sized images. And unlike other packages that may include small repeating pattern textures, each full-screen Texture City image has real world look and clarity. The images come in TARGA, TIFF, PCX and IFF24 file formats. The CD-ROM is ISO-9660 formatted and compatible with Macintosh, DOS/Windows, Video Toaster and Amiga computers. This variety of formats gives users the ability to use these high-quality images in hundreds of today's software programs. By combining images with image processing programs, users can produce hundreds more.
$119.95 retail
Texture City; 3203 Overland Ave., #6157; Los Angeles, CA 90034; 310-836-9224

■ **TextureScape**
Collection of textures
Macintosh with 68020 processor or larger; 4 MB of RAM; System 7.0 or later; hard disk drive.

TextureScape gives users control to design detailed and rich textures, while allowing them to play with color, light and motion. TextureScape's files take up little disk space, yet textures can be rendered in any size or resolution needed. TextureScape can also morph between textures. It also lets users create animated textures for all their multimedia and video applications.
$149 retail
Specular International; 479 West St.; Amherst, MA 01002; 413-253-3100, 800-433-7732 or 413-253-0540 (fax)

■ **ToTo Textures Collection Volume 1**
Texture images
Macintosh II family; 5 MB of RAM; 13-inch color monitor (256 colors); System 6.0.8 or later; CD-ROM drive.

The Toto Textures Collection Volume 1 CD-ROM gives users a choice of more than 200 royalty-free texture images (including marble, stone, wood, glass, textiles, paper, nature and more), 48 seamless image tiles and dozens of bullets, buttons, panels and sliders — all produced with the multimedia developer in mind. The Toto Collection features texture images delivered in four file types at 72 dpi resolution, a Textures Browser and a printed user's guide.
$149 retail
Toto Computer Graphics, Inc.; 4065A N. Calhoun Rd., Ste. 101; Brookfield, WI 53005; 414-783-2400, 800-278-6861 (orders) or 414-783-2410 (fax)

Trick Of Light
Eye-catching backgrounds
Any color-capable Macintosh; 4 MB of RAM; System 6.0.7 or later; CD-ROM drive.

Third in the Pixel Presenter Series is Trick of Light, a CD-ROM with hundreds of megabytes of eye-catching backgrounds to add pizzazz to multimedia productions and desktop publishing projects. Trick of Light backgrounds are royalty-free. Each of the 150 unique and usable backgrounds is saved in three resolutions: 3,072 by 2,048 TIFF for printing at full-page sizes; 1,536 by 1,024 TIFF for printing at half-page size and PAL video or large-screen multimedia; and 640 by 480 for standard 13-inch monitors and NTSC video. The 640 by 480 files are also saved in 8- and 24-bit PICT format for immediate use. Many of the backgrounds and lighting effects have been photographed and saved as separate files — plain, lit and mask. By using Photoshop, or any other image retouching program, they can be recombined in literally thousands of ways — re-colored and resized to give users an unlimited number of possibilities. The 8- and 24-bit browsers allow users to preview all the basic images, as well as give hints and tips on how to customize them and to produce just about every background that they'll ever need.
$99 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

TypeStyler 2.0
Display-type special effects
Macintosh Plus or larger; 1 MB of RAM (2 MB for color; 4 MB with System 7).

TypeStyler is a unique tool that can be used to achieve dramatic special effects with display type. It provides unparalleled control over typefaces, enabling users to bend, squeeze, stretch, twist and rotate text. Users can also add perspective, such as shadows, shades, patterns and colors. TypeStyler prints styled text smoothly using either PostScript or QuickDraw printers. TypeStyler output is device-independent on both printers, so output prints at maximum resolution of the printer. TypeStyler also includes a number of other features helpful to graphic designers and desktop publishers, such as the ability to import and export paint, PICT and EPS files. TypeStyler is compatible with both PostScript and TrueType fonts. It is System 7 savvy.
$219.95 retail
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

Video Special Effects
The best of the Cascom SFX Library
Macintosh LC or larger; 8-bit or greater color display; System 6.0.5 or later; CD-ROM drive.

Video Special Effects features the best of the Cascom SFX Library, allowing users to take advantage of the greatest library of animated graphics effects ever assembled. Used by television and corporate producers around the globe, Cascom select effects combine state-of-the-art Hollywood technology with spectacular graphic artistry to add exciting production values to any multimedia program.
$59.95 each retail
Jasmine Multimedia Publishing; 6746 Valjean Ave., Ste. 100; Van Nuys, CA 91406; 818-780-3344, 800-798-7535 or 818-780-9705 (fax)

VidSynth
Video synthesizer
Color Macintosh; FPU; 2 MB or more of RAM; System 6.0.5 or later.

VidSynth is a video synthesizer system. Video synthesis is a new technique used to create abstract animated images. Analogous to music synthesis, video synthesis has its roots in mathematics. Like a music synthesizer, users don't have to understand math to use VidSynth. VidSynth's menus provide a fun way for users to quickly and easily create unique and interesting images and animations. With VidSynth, users can create amazing "eye-catchers" for use in graphic arts, advertising, television or multimedia, faster than they can draw or program them, and at a cost lower than clip art. Once users have created the artwork they want, the image can be pasted into a document or the animation can be recorded on videotape.
$326.66 retail
Cybernetic Arts; PO Box 2066-R; Sunnyvale, CA 94087; 408-248-0377 or 408-248-0416 (fax)

Visuals
Seamless textures
Macintosh II or larger.

Library 1 is a combination of textures consisting of Wallpaper, Stone, Interior, Still Life, Flooring, Architecture and Landscape. All Visuals are created with seamless edges, which enable them to provide a perfect mapping in three-dimensional render programs and three-dimensional text programs. They can also accomplish tiled backgrounds in popular presentation programs. Library 1 contains 50 Visuals. Each Visual is a 72 dpi (some Visuals are as much as 150 dpi), JPEG-compressed PICT image. In addition, more than 70 bump, reflective and transparent maps are provided. Also included is a gray-scale map for the Visuals to which users may add a different color. The bump maps are created with the darkest shade as the most recessed area. Negative and positive maps are to be used as transparency maps, depending on which map a program requires. Along with Visuals comes a very extensive reference manual with individual specs on each texture, as well as hints on how it may be best applied.
$84 retail
N-Depth; 50 Clarkson Center, Ste. 477; Chesterfield, MO 63017; 314-458-6526

Wild, Weird & Wacky
Compendium of the strangest images ever recorded on film
Macintosh LC or larger; 256-color graphics; 5 MB of RAM; 5 MB of free hard disk space; CD-ROM drive.

Wild, Weird & Wacky is a collection of the strangest images ever recorded on film. People have fun, play games and practice mondo weird stuff — walking on fire, jumping off the Eiffel tower and stuffing their face with pickled eggs. This is a selection of more than 250 of the strangest images ever shot and made available as QuickTime movies. A sampling of the QuickTime movies included on this disc are: 1950s Flab-Reducing Exercise Machines, Animated Sausages Blow Up Computer, Auto Mechanic Electrocutes Himself, Bavarian Finger Pull & Biggest Nose, Bed Race & Pancake Flipping, Beer Drinking, Cavemen & Carnival Life, Chimps on Roller Skates, Contortionists & Fire Eaters, Elephant Jazz Band, Fatal Leap from the Eiffel Tower, Festival of Misfits, Gas-Mask Drills, Gun Check at Nightclub, Introduction of Twister, Man Jumps Through Plate-Glass Window, Man Pierced by Sword, Motorscooter Jousting, Pickled-Egg Eating, Problem of Platform Shoes, Psychedelic Fun House, Sleazy Nightclub Strippers, Space Hair-Dos, Walking on Glass and Whipping Nickels Off Of Tongues.
$79.98 retail
MPI Multimedia; 5525 W. 159th St.; Oak Forest, IL 60452; 708-535-1540, 800-777-2223 or 708-535-1541 (fax)

Wilderness Stills
Extraordinary photographs of nature and animals
Macintosh LC or larger; 8-bit or greater color display; System 6.0.5 or later; CD-ROM drive.

Wilderness Stills allows users to take a photographic walk on the wild side. Award-winning photographers have canvassed the globe to capture the most exotic animals and spectacular settings known to man. In addition to the hundreds of exquisite images on this CD-ROM, Jasmine has included fully orchestrated music that will bring professional quality to any program or presentation.
$39.95 retail
Jasmine Multimedia Publishing; 6746 Valjean Ave., Ste. 100; Van Nuys, CA 91406; 818-780-3344, 800-798-7535 or 818-780-9705 (fax)

Working Stills
Stunning photographs of business and industry
Macintosh LC or larger; 8-bit or greater color display; System 6.0.5 or later; CD-ROM drive.

Working Stills allows users to see what the economy really looks like. Around the globe there are hundreds of ways to make a living and enjoy life. This CD-ROM takes an international look at the working world through the eyes of award-winning photographers. In addition to the hundreds of magnificent images on this CD-ROM, Jasmine has included a selection of fully orchestrated corporate theme music designed to bring a professional quality to any program or presentation.
$39.95 retail
Jasmine Multimedia Publishing; 6746 Valjean Ave., Ste. 100; Van Nuys, CA 91406; 818-780-3344, 800-798-7535 or 818-780-9705 (fax)

WraptureReels One
Animated textures and looping video clips
Macintosh LC or larger; 4 MB of RAM; QuickTime 1.0 (included); HyperCard 2.1 (included); System 6.0.7 or later; CD-ROM drive.

WraptureReels One is a CD-ROM library of more than 500 MB of seamlessly looping, broadcast-quality animated textures and environments in QuickTime

format. Users can use the WraptureReels like static textures to map to 3D objects, or use them like any QuickTime movie — in presentations, animations and multimedia productions. Also included are animated and static masks, static backgrounds, sounds and other "goodies" that make it an excellent source for creating special effects and other QuickTime movies using the new QuickTime editors. Because the Reels are broadcast quality (full size-640 by 480, full motion-30 fps), users can also output them frame by frame to video. This ability is especially powerful for video producers who can now use the QuickTime editors to digitally manipulate their video and create new types of special effects.
$129 retail
Form and Function; Distributed by Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Wraptures One
Library of fine textures and backgrounds on CD-ROM
Macintosh LC or larger; CD-ROM drive.

Wraptures One is a CD-ROM library of seamless, tileable, 32-bit digital textures in PICT format for mapping to 3D objects, and using as presentation backgrounds and graphic source material. Wraptures can be used in 3D renderings, presentations, graphic productions, QuickTime movies, animations, desktop publishing, multimedia productions and anywhere users can import a PICT file. Wraptures One encompasses a wide variety of image categories, including Architecture (ashlar, brick, ceramic tile, brushed steel, stucco, wood flooring, stone walls); Astronomy (the Earth and Moon, planets [real and imaginary], galaxies); Botanical (shrubbery, bark, palm tree, clover, grass); Natural Elements (clouds, fire, water, sunsets, expansive vistas, mountains, boulders); Gumbo (fine imported papers, camouflage, leopard, cow cow boogie); and Others (animated environment maps of clouds and water, bump maps for various textures). A Browser utility on the disc allows users to peruse the textures and copy them to a hard drive. An electronic and printed catalog of images is included.
$129 retail
Form and Function; Distributed by Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Wraptures Two
Library of fine textures and backgrounds on CD-ROM
Macintosh LC or larger; CD-ROM drive.

Wraptures Two is the second volume in the Wraptures Library of seamless, tileable textures on CD-ROM. Like Wraptures One, Wraptures Two contains 130 seamless, 32-bit, tileable textures in PICT format for use as three-dimensional texture maps, presentation backgrounds and graphic source material. Wraptures Two contains more of the same high-quality textures found in the categories established on Wraptures One: Wood, Marble, Stone, Metal, Foliage, Fabric, Clouds, Water, Mountain-scapes and more. New texture types, like Foods, and more off-the-wall textures, like Soap Suds and Human Skin, are also included. To introduce users to WraptureReels One, a QuickTime library of seamlessly looping, animated textures and environment maps, a few new WraptureReels are included on the disc. An electronic and printed catalog of images is included.
$129 retail
Form and Function; Distributed by Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Zounds
Creates fantasy environments of sound in the background
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later.

Zounds creates soothing environments of sound that run in the background on a Macintosh. Zounds provides instant relief from office noise and chatter, transporting users to faraway places. Scientific studies have shown that soothing background sounds reduce stress and promote greater productivity by as much as six percent. In a 40 hour week, users would accomplish about 2.5 hours more work. Over the course of a year, that translates into an additional three weeks of productivity. And with Zounds, those additional three weeks can be spent in the Caribbean, on a country farm or exploring a tropical rain forest. Zounds' modules include Aviary, Archipelago, On the Farm, Harp and many others.
$49.99 retail
Digital Eclipse Software, Inc.; 5515 Doyle St., Ste. 1; Emeryville, CA 94608; 510-547-6101, 800-289-3374 or 510-547-6104 (fax)

Creative/Other

Adobe Premiere 4.0
Brings digital video capabilities to the desktop
Macintosh II; 4 MB of RAM; hard disk drive; System 6.0.7 or later; QuickTime 1.0 (included); 32-bit QuickDraw 1.2 or later; QuickTime-compatible, digital video capture board recommended.

Adobe Premiere is digital video software. Developed to take advantage of Apple's QuickTime system software extension, this software enables users to easily combine video footage, audio recordings, animation, still images and graphics to create high-quality movies right on the Macintosh. Features include: intuitive user interface displays tracks in "filmstrip" style, allowing users to see all the details in clips; animated icons simplify selection of digital effects, including wipes, fades, dissolves, zooms and page turns; Adobe Photoshop-compatible filters can be applied across video segments to achieve special effects and image control; and the ability to superimpose titles, graphics and even other video images to create dramatic effects. Premiere 4.0 comes standard with CD-ROM containing tutorials, clip media and documentation.
$795 retail
Adobe Systems, Inc.; 1585 Charleston Rd.; PO Box 7900; Mountain View, CA 94039; 415-961-4400, 800-833-6687 or 415-961-3769 (fax)

Aldus Fetch 1.2
Multiuser, mixed-media database for cataloging, browsing through and retrieving digital media
Macintosh Classic or larger (Macintosh SE/30 or larger recommended); 4 MB of RAM (5 MB recommended); hard disk drive; System 6.0.7 or later.

Aldus Fetch is a multiuser, mixed-media database program that enables users to easily catalog, browse and retrieve images, animations and sound files on a Macintosh. It is designed for users in professional graphics workgroups who purchase, create and reuse art files and would like to catalog them in a mixed-media database. Aldus Fetch allows users to browse through a visual catalog of their files, rather than scroll through a text-only list of filenames. Users are able to see what each image and movie looks like, and hear what each sound file sounds like — without opening source applications. Aldus Fetch users are able to create a visual catalog of up to 100,000 digital-media files, including illustrations, clip art, sounds, photo images, presentations and video clips. Files can be stored and retrieved from anywhere on a network, whether the volume is on a local drive, across the network, on an unmounted CD-ROM or on a removable disk. All standard Macintosh file formats are supported, in addition to several proprietary formats, such as Adobe Photoshop, Aldus FreeHand and Aldus Persuasion.
$149 retail; single user
$299 retail; multiuser
Aldus Corp.; 411 First Ave. S, Ste. 200; Seattle, WA 98104; 206-622-5500, 800-685-6636 or 206-343-4248 (fax)

Award Maker Plus
Customized awards
Macintosh 512K or larger.

Award Maker Plus is a software tool that lets a user create and print professional-quality awards, certificates, licenses, coupons or other documents. The program will print hundreds of predesigned award styles, allowing a user to enter text, select the border style and, in some styles, enter a user's own picture. The program comes with hundreds of different awards and certificates for sports, school, home and business; several styles of borders; sample awards; gold-embossed press-on seals; a special price on pin-feed parchment paper; and the ability to create name files and print out awards for an entire class or group.

Education Award Library and Sports Award Library are supplement libraries for use with Award Maker Plus. Each library includes 10 new border styles and four new fonts. Both male and female versions are included. Education Award Library contains more than 200 professionally designed award styles. Award subjects range from music to lost teeth to homecoming. Sports Award Library contains more than 600 professionally designed award styles. Awards range from baseball to sailing to karate.
$49.95 retail; Award Maker Plus
$29.95 each retail; Education Award Library or Sports Award Library
Baudville, Inc.; 5380 52nd St. SE; Grand Rapids, MI 49512; 616-698-0888 or 616-698-0554 (fax)

BadgeMaker
Produces an array of badges, labels, tags and postcards
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.

BadgeMaker produces an impressive array of badges, labels, tags and postcards of any size, for any event. The program supports many design functions, including text, allowing users to modify the predesigned templates or create their own custom badge or label size and design from scratch. Users can even import and scale PICT graphics from the Clipboard. It also has a database feature that allows users to import an ASCII file to the BadgeMaker database, which can merge up to 10 fields onto badges or labels. BadgeMaker supports any Macintosh-compatible printer (300+ dpi devices are recommended).
$129 retail
Baudville, Inc.; 5380 52nd St. SE; Grand Rapids, MI 49512; 616-698-0888 or 616-698-0554 (fax)

BannerMania
Personal productivity; allows users to create banners
Macintosh Plus or larger; 1 MB of RAM.

BannerMania features an easy-to-use interface and high-quality special effects to allows users to create spectacular banners on a wide variety of color and black and white printers. Full preview allows users to redesign their banners to fit their needs before printing. On-screen preview allows users to display sales or product messages in an ever-changing display. BannerMania ships with 20 special effects, 27 eye-catching shapes, 19 different fonts and 40 ready-to-use designs, totaling more than 800,000 mix-and-match combinations to choose from.
$34.95 retail
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

CompassPoint
Image management system
Macintosh II or Quadra; System 6.0.7 or later.

CompassPoint is a comprehensive image management system targeted at individuals and companies who store and retrieve more than 300 images from any medium in a computerized management system. The CompassPoint system catalogs and manages all types of images: photos, slides, overhead transparencies, illustrations and QuickTime movies. It also offers an exclusive feature called NaviTrack, which automatically tracks where and when images have been used and where they are currently filed or who has borrowed them. Other features include: displays complete and detailed information customized by a user about each image; quickly finds desired images by using multiple search criteria to define and narrow the choices; saves money by making existing images easily retrievable, eliminating the need to recreate a misplaced image; a check-out security system to prevent unauthorized check-out or export of images; and the Image Filing Tutor, which gives complete user instructions on how to set up and efficiently maintain a physical and electronic/archival image filing system. CompassPoint supports mixed image formats, including TIFF, TIFF CMYK, PICT, Kodak Photo CD and EPSF, as well as JPEG compression with QuickTime. CompassPoint also catalogs images in permanent archives, which saves hard disk space by storing and retrieving images on removable mass storage.
$749 retail
Northpoint Software; 2200 W. Eleven Mile Rd.; Berkley, MI 48072; 810-543-1770 or 810-541-1858 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

Cumulus PowerLite 2.0
Image and multimedia database solution
Macintosh with 68020 or larger processor; 1.5 MB of RAM; System 7.0 or later.

Cumulus PowerLite is an image and multimedia database solution intended for the single user or for Cumulus PowerPro clients who, in addition to accessing the main catalogs on the server, want to keep their own private catalogs on their local hard disks. Already extremely fast and powerful on standard Macintoshes, it takes full advantage of the increased performance of the Power Macintoshes. A huge variety of image or multimedia formats may be cataloged into multiple open catalogs that can hold up to 50,000 records each and later be accessed directly from within other applications, such as QuarkXPress, Photoshop, PageMaker, FrameMaker or IsoDraw. A thumbnail representation of the image and all descriptive information is stored within the catalogs, so offline volumes can also be browsed using all the search criteria, such as keywords, status and full-text retrievable notes. New features include hierarchical keywords, extensive support of Drag and Drop and customizable multiple Boolean searches.
$199 retail
Canto Software, Inc.; 800 Duboce Ave.; San Francisco, CA 94117; 415-431-6871, 800-332-2686 or 415-861-6827 (fax)

Cumulus PowerPro 2.0
Network image and multimedia database solution
Macintosh with 68020 or larger processor; 1.5 MB of RAM; System 7.0 or later.

Cumulus PowerPro is a professional client/server network image and multimedia database solution. Already extremely fast and powerful on standard Macintoshes, it takes full advantage of the increased performance of the Power Macintoshes. In addition to the new features, such as hierarchical keywords, customizable multiple Boolean searches and inter-application dragging sizes found in Cumulus PowerLite, Cumulus PowerPro offers full support for AppleScript automation. Unlimited numbers of image or multimedia files may be cataloged into any of several simultaneously open Cumulus databases and later be accessed with either the Cumulus•Client Software or directly from within other applications, such as QuarkXPress, Photoshop, PageMaker or IsoDraw. A thumbnail representation of the image and all descriptive information is stored within the catalogs, so offline volumes can also be browsed using all the search criteria, such as keywords, status and full-text retrievable notes. Catalogs are compressed and very small in size. All operations, including administrator functions, can also be executed in the background. Cumulus is OPI aware. Customizing service and site licensing are available.
$1,495 retail; five-user starter kit
$995 retail; five-client extension package
Canto Software, Inc.; 800 Duboce Ave.; San Francisco, CA 94117; 415-431-6871, 800-332-2686 or 415-861-6827 (fax)

The Digital Directory
Unique showcase for digital graphic professionals
Macintosh II or larger; 5 MB of RAM; CD-ROM drive.

The Digital Directory is a showcase of digital graphic talent. The disc features the work of digital illustrators, photographers, desktop publishers, electronic designers, computer animators, multimedia artists and their related service industries. Distribution is free to corporate communications departments, magazine and publishing art buyers, multimedia production houses, ad agencies and design studios nationwide. Art buyers can browse the material much like a traditional directory, or quickly locate what they're looking for by simply filling in the blanks of a card on screen. Listings, often unused in other directories, are a vital feature of the Digital Directory. The listings contain a thumbnail visual and a brief advertiser profile.
Distributed free to art buyers in advertising and corporate communications
The Digital Directory, Inc.; 301 W. 110th St. 2n; New York, NY 10026; 212-864-8872

Frame Up
Multimedia demonstration tool
Macintosh Plus or larger; RS-232 equipped videodisc player.

Frame Up is a demonstration tool for showing the potential of interactive video in fiction and training. Frame Up demonstrates a wide gamut of interactive techniques, from classical branching to real-time simulation. The plot involves a young fellow named Eddy who falls asleep in a department store and wakes up to find himself embroiled in a plot to rip off the store. A user helps Eddy make decisions to escape from the store. Some decisions lead Eddy to the store's video surveillance system, where a user can view any of 10 cameras placed throughout the store or play back tape recordings of these cameras. The game culminates in a simulation of an editing system, where a user edits the tapes into a proof of Eddy's innocence.
$100 retail; NTSC version
$200 retail; PAL version
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

Hebrew CalendarMaker II
Hebrew calendar generator for use with CalendarMaker
Macintosh Plus or larger; CalendarMaker or Now Up-To-Date optional.

CalendarMaker II generates a wide variety of data — Hebrew dates, Torah readings, Jewish Holidays and Halachic times — that can be imported into CE CalendarMaker or Now Up-To-Date, exported as a text file, displayed on screen or printed directly.
$39.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

HyperViewKit
Pictorial file and database navigation with HyperCard
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.

Viewing a digital pictorial file is a prime use of digital output. The HyperViewKit data viewer set consists of four HyperCard applications. HyperViewKit can be used to display, collate and print a collection of digital images. The QuickView pictorial display stack is particularly useful. QuickView is simple to use, can handle very large PICT graphic files and allows smooth, easy-on-the-eye roaming. QuickOrganize lets users build a hierarchical representation of linkages between members of a collection of related images. QuickBrowse stacks are created by compiling a QuickOrganize tree. QuickBrowse stacks can be used as stand-alone applications for navigating and viewing sets of inter-related pictorial information.
$85 retail; or bundled at no extra cost with MAP II V1.5
ThinkSpace Inc.; 100 Collip Cir., Ste. 130; London, Ontario, Canada N6G 4X8; 519-858-5047 or 519-858-5048 (fax)

ImageAXS
Catalogs, retrieves and displays still and moving pictures
Macintosh with 68020, 68030 or 68040 processor; 8 MB of RAM; QuickTime; System 6.0.5 or later.

ImageAXS is an imagebase application for cataloging, retrieving and displaying still and moving pictures. Users can create as many ImageAXS collections as they like; each can contain more than 32,000 records from diverse file formats and creator applications. The original files can be stored anywhere — on a local hard drive, removable media, magneto-optical disks, CD-ROMs or Photo CDs, or on remote volumes like servers or networked storage devices. ImageAXS automatically selects the best display quality (including a special window for interlaced HDTV monitors), depending on hardware. Every view, including thumbnails and text lists, info sheets and full images, can be configured on the fly to display in just a corner of the screen or on all the available screen real estate, even on more than one monitor. If the file is online, simply double-clicking on the thumbnail displays the original image file (or, in the case of PostScript files, a PICT preview of it) regardless of size, location or format. There is no need to launch another application to view it. Automatic tiling and slideshows are built in.
$179 retail
AXS; 1301 Marina Village Pkwy.; Alameda, CA 94501; 510-814-7200 or 510-814-6100 (fax)

The Incredible Sound Machine
Provides users with everything they need to know about Macintosh sound; book/disk package
Macintosh Plus or larger (one program requires a 68020 chip); 2 MB of RAM; hard disk drive; System 6.0.5 or later.

The Incredible Sound Machine, a book/disk package by Mark Andrews, provides users with everything they need to know about Macintosh sound. Whether users own a bare-bones Macintosh Plus or a Macintosh Quadra system with a $3,000 sound board, this book will show them how to make the best use of all the sound-producing ability their system offers. Perhaps the best application on the disk accompanying the book is a full-working version of SoundWave, a sound editor from Macromedia. For music buffs, this book includes a special musical demo training version of Listen from Imaja Software that teaches users to play an on-screen keyboard synthesizer and fret board. With the Songworks demo from Ars Nova Software, users can compose musical scores on the Macintosh. More than just software, this book provides a foundation on how sound works on the Macintosh, as well as a crash course in music theory. Power users, as well as programmers will benefit from this well-constructed book/disk package.
$34.95 retail
Addison-Wesley Publishing Co.; 1 Jacob Way; Reading, MA 01867; 617-944-3700, 800-358-4566 or 617-944-8243 (fax)

Instant Buttons & Controls CD-ROM 2.0
Buttons and controls to create multimedia presentations, kiosks, training programs and more
Macintosh LC or larger; 5 MB of RAM; Macromedia Director 3.1 or 4.0; System 6.0.7 or later; CD-ROM drive.

Designed for Macromedia Director users and applications that import PICT or QuickTime file formats, IB&C contains more than 500 buttons and controls, enough to satisfy even the most discerning of interactive developers. IB&C 2.0 follows on the heels of Macromedia's release of Director 4.0 for Windows. The new version includes the updated version of 1.0, plus more than 100 new buttons, new control systems, on-screen keyboards, a "button maker," new button sound files, new backgrounds, new QuickTime movies and even more robust, transparent scripting for easy, realistic implementation.
$179 retail
stat media; 7077 East Shorecrest Dr.; Anaheim Hills, CA 92807; 714-280-0038 or 714-280-0039 (fax)

Intelligent System Controller
Solves the problem of video and audio distribution
Any Macintosh; System 6.0.4 or later (System 7.0 recommended).

Intelligent System Controller (ISC) is software that solves the problem of video and audio distribution using an intuitive graphic interface that is easy to learn and use. The ISC allows users to switch among dissimilar video sources by automatically reconfiguring printers or projectors to correctly accommodate the various video characteristics. This ensures that the highest quality image is displayed or printed. Features include control of video/audio switch matrices of up to 256 inputs and 256 outputs; single or multiple points of control via LAN or serial connections; two-level password access selectable at user option; user-definable icons for each device on the switch; 20 user-definable switch presets available via the menu or command key; and easy adaptability to future switch upgrades.
$4,995 retail
RGB Technology, Inc.; 11440 Isaac Newton Sq., Ste. 200; Reston, VA 22090; 703-834-1500 or 703-834-1506 (fax)

IntelliKeys Overlay Maker
Overlay drawing program
Macintosh Plus or larger; IntelliKeys; printer.

IntelliKeys Overlay Maker allows users to create custom overlays for an IntelliKeys keyboard. With this easy-to-use, yet powerful program, users can create keys of any size, include text in the keys and send the overlay to IntelliKeys. The custom overlay can be used

with any software program. On a Macintosh, users can paste pictures from the Scrapbook or the Mayer-Johnson Library (200 symbols included) and print any overlay on a LaserWriter, DeskWriter or ImageWriter.
$69.95 retail
IntelliTools, Inc.; 5221 Central Ave., Ste. 205; Richmond, CA 94804; 510-528-0670, 800-899-6687 or 510-528-2225 (fax)

The Interactive Brainwave Visual Analyzer
Input tool for hypermedia, multimedia and virtual reality
Macintosh Classic or larger; 2 MB of RAM (4 MB for color); hard disk drive; System 6.0.7 or later.

The Interactive Brainwave Visual Analyzer (IBVA) is a state-of-the-art electroencephalograph (EEG) and biofeedback system. The IBVA hardware consists of a headband transmitter and a receiver. The brainwave data from the headband is transmitted via radio signal or direct wire connection to the receiver. The data is then processed by the IBVA software into digital signals that the computer can understand. The software is then capable of displaying these signals in an easy-to-read 3-D graph or a standard EEG read out. The IBVA software can also use these signals to communicate with other software, computers or MIDI equipment. The transmitter is wireless for hands-free operation and can also be used to record brainwave data on any standard recordable magnetic medium, such as a camcorder or walkman, allowing remote on-site research or performance capabilities without the need of cumbersome computer equipment.
$1,295 retail; one channel
$2,295 retail; two channel
IBVA Technologies, Inc.; 249 E. 48th St., #15D; New York, NY 10017; 212-754-4282 or 212-759-5080 (fax)

Kaleidoscope 1.0
Fractal art generator
Macintosh LC or later; 68020 CPU or later; 68881 FPU or later; System 6.0 or later.

Kaleidoscope invites users to explore the mysterious Mandelbrot Set — an endless new world of stunning color images. Users can zoom in to see infinite detail, animate the colors for dazzling screen displays (and give themselves a break from the same old screen saver) or generate an endless supply of unique pictures for use as wallpaper, illustrations and fractal clip art (or commercially print to make stunning posters).
$49 retail
Abbott Systems, Inc.; 62 Mountain Rd.; Pleasantville, NY 10570; 914-747-4171, 800-552-9157 or 914-747-9115 (fax)

Kodak Shoebox Photo CD Image Manager
Lets users manage thousands of images, QuickTime movies and audio files
Macintosh II or larger; 4 MB of RAM (8 MB preferred); 1.5 MB of disk space (30 MB of disk space for loading full-resolution Photo CD images); System 6.0.5 or later; CD-ROM XA Mode 2, Form 1 drive for use of Photo CD images.

Kodak Shoebox Image Manager Software lets users manage thousands of images, as well as QuickTime movies and audio files. The catalog contains thumbnail images from a Photo CD Master disc, Photo CD Catalog disc or other image files, along with index data and pointers to the actual image file. Whichever users choose, the software makes it easy to catalog, index and search. Features include: index, catalog and search thousands of files by user-defined fields, along with key words, attributes and captions; access Photo CD images in any of five different resolutions — from thumbnail resolution for selecting and previewing images to full-detail resolution for photographic-quality resolution printing and enlargement; reduce keystrokes (update multiple records in one operation); copy files between catalogs (save project catalogs); zoom and crop images; copy, print or export image files to other applications; customize contact sheets by adjusting size of thumbnails, brightness and background color of contact sheet; and choose from three on-screen languages (English, French and German).
$245 retail
Eastman Kodak Co.; CD Imaging; 343 State St.; Rochester, NY 14650; 716-724-1021 or 800-235-6325

Kroy Sign Studio II
Sign-making software
Macintosh Plus or larger.

Kroy Sign Studio II is an in-house sign updating system that includes hundreds of formatted standard sign templates that can be easily modified for custom needs. Graphic templates allow users to create signs combining text and graphics. The program comes with a library containing more than 32 multinational symbols. High-resolution graphics, such as company logos, can be imported. Using the Kroy Color Plus, the laser printed signs can be colorized to match a wide variety of interior offices and buildings.
$349 retail
Kroy Sign Systems; 14555 N. Hayden Rd.; Scottsdale, AZ 85260; 602-948-2222, 800-733-5769 or 602-951-7033 (fax)

Kudo Image Browser 1.1
Mixed-media cataloging, browsing and retrieval tool
Macintosh SE/30, II or larger; 4 MB of RAM; 2 MB of free hard disk space; System 6.0 or later.

Kudo Image Browser is a mixed-media cataloging, browsing and retrieval tool that helps desktop publishers, graphic artists and multimedia producers manage collections of graphics, illustrations, clip art libraries, scanned photos, QuickTime movies, Kodak Photo CD images and sound files. A Kudo catalog holds up to 134,000 thumbnail entries that reference files stored on the local hard drive, across the network or on removable media, such as CDs. Files can be cataloged by simply dragging and dropping a file icon, a hard drive or an entire server onto the Kudo icon. The contents are immediately ready to search and retrieve. Kudo Image Browser supports most standard Macintosh file formats, including PICT, TIFF, EPSF, QuickTime and SND. It also catalogs several proprietary formats, including Scitex CT, Adobe Photoshop, Kodak Photo CD, Aldus FreeHand 3.11 and CompuServe's GIF, as well as PC formats, such as BMP and PCX. Also, file format translators use the Claris XTND API, so XTND-aware applications can recognize all image formats supported by Kudo Image Browser.
$195 retail
Imspace Systems Corp.; 2665 Ariane Dr., Ste. 207; San Diego, CA 92117; 619-272-2600, 619-272-4292 (fax) or 619-272-3420 (BBS)

Laser Award Maker
Customized awards and certificates
Macintosh Plus or larger; 1 MB of RAM.

Laser Award Maker allows a user to produce custom designed certificates, notices, awards, diplomas, announcements, tickets, invitations and coupons. The software offers seven categories: business, community, education, signs and notices, personal, sports and general. A user may select several document sizes, vertical or horizontal formats, 20 borders and four font styles, and prewritten text that can be edited.

Laser Award Maker's Education Library provides 48 additional templates to the Laser Award Maker program. The new templates include Track, Wrestling, Cheerleading, Computer, Reading, Gymnastics, Science, Bus Driver, Yearbook and many more. The Education Library will also allow users to use Baudville's two-up border paper on 21 of the new templates.

Laser Award Maker's Border Library provides 10 additional borders to the Laser Award Maker program. The new borders consist of Hearts, Dove, Shells, Theater, Patriotic, Christmas, Sneakers, Art Deco, Ribbon and Rope.
$199 retail; Laser Award Maker
$49.95 each retail; Education Library or Border Library
Baudville, Inc.; 5380 52nd St. SE; Grand Rapids, MI 49512; 616-698-0888 or 616-698-0554 (fax)

Logos On-Line
Custom logos and signatures as fonts or graphics
Macintosh 512K or larger; PostScript or TrueType printer or any printer and ATM.

Users can add high-quality logos and signatures to documents and presentations as an integral part of the desktop publishing process — without scanning and without paste-ups. Logos On-Line gives users a technically-drawn rendition of their logo or signature, accessible as a PostScript or TrueType font. Users can select a logo from Software Complement's line of national companies, or have their own logo customized. System 7 is supported. Cross platform formats are available for PCs, NeXTSTEP, Sun, Unix and mini/mainframes.
$150 starting price retail
Software Complement; 8 Pennsylvania Ave.; Matamoras, PA 18336; 717-491-2492 or 717-491-2443 (fax)

Mac-A-Mug
Human face composition
Macintosh 512K or larger.

Mac-A-Mug allows a user to create thousands of human faces by scrolling through and choosing from hundreds of individual facial features. The program assembles chosen features into a composite face, according to specifications given by a user. The disks contain both male and female facial features and accessories and the capability of mixing the two. Users control every aspect of creating a face, including hairstyle and color, and they may print out a face in a number of sizes or copy it into MacPaint for further refinement.
$59.95 retail
Shaherazam; PO Box 26731; Milwaukee, WI 53226; 414-367-8683 or 414-367-8646 (fax)

MacSignMaker
Sign manufacturing
Macintosh II family or larger.

MacSignMaker is a full-featured commercial graphics system for use in manufacturing signs using vinyl, pounce patterns, neon patterns and silkscreens. It accepts files generated by most input devices, including scanners, and takes in artwork in TIFF, MacPaint, PICT and PostScript format. Editing features include complete editing control of automatically formed graphics outlines, as well as text. Distortion, Inline/Outline and other features are included, and users can produce artwork of any practical size with material of any width. Proof copies of the artwork can be output on a printer. Most of the plotters and some routers on the market are supported. MacSignMaker is compatible with System 6 and 7. Software updates are free for the first year. The system comes with training materials, including a video tape.
$2,500 to $4,000 retail
Sign Equipment Engineering, Inc.; PO Box 6188; Bellevue, WA 98008; 206-747-0693 or 206-562-3017 (fax)

Media Cataloger
Manages graphics, movie and sound files
Macintosh LC or larger; 4 MB of RAM; System 7.

The Media Cataloger is a stand-alone application that manages graphics, movie and sound files. The product solves the problem of organizing, finding and retrieving these files for use in other applications. The Media Cataloger allows users to create visual catalogs of files and attach key words to objects. Once a catalog is created, the product can quickly search for and retrieve files based on criteria defined by a user.
$99 retail
Interactive Media Corp.; PO Box 0089; Los Altos, CA 94023; 415-948-0745

MediaTree
Media organization tool
Macintosh Classic or larger; System 7; QuickTime recommended.

MediaTree helps users regain control over growing libraries of pictures, sounds, QuickTime movies and text. It combines a powerful outliner with a multimedia database that can manage data without duplicating it. Arranging information in an outline enables users to organize information according to any desired hierarchy of categories. The outline also helps to organize information for presentations. Each media item can appear in as many places and in as many outlines as desired. Users control the displayed depth of topic nesting, momentarily hiding unneeded details to reduce clutter on the screen. A single MediaTree document can organize and access the media in entire libraries of CD-ROMs. Its outline view includes a thumbnail sketch of each item and will produce the original if a user double clicks. If the item is not online, MediaTree will indicate which disk to mount.
$248 retail
Tulip Software; PO Box 3046; Andover, MA 01810; 508-475-8711 or 800-972-9659

These Products Available Through Bottom Line Distribution
1-800-347-1923

MegaLogo
Multimedia trademarks and symbols database
Macintosh Plus or larger; System 6.0.7 or later.

MegaLogo "Top Symbols and Trademarks of the World" is a multimedia database that gathers and organizes a selection of 8,113 symbols and business trademarks of associations and service entities that were conceived by 1,000 designers in 47 countries, from 1945 to 1982. The trademarks are cataloged with 16 descriptive keys like: Identification Data, Business Area, Business Activity, Shape, Geometric Elements, Letters/Words, Figures, Group, Category and Graphical Effects. MegaLogo is developed for the Macintosh environment in three languages, English, French and Italian, and each command is supported with vocal helps. Each trademark has been scanned and then retouched by hand to provide the highest-quality projection on screen as is on print (300 dpi, PICT format).
$279 U.S. retail
MEGA Service s.m.c.; Via G. Miani, 13; 00154, Rome Italy; 06-57-65945 or 06-57-65946 (fax)

Metrics
Weights and measures conversion application
Macintosh Plus or larger; System 6.0.3 or later.

Metrics is a utility application that converts numbers between various systems and units of measurement, such as feet to meters, pints to liters, square kilometers to square feet, etc. The major conversion categories include linear measurement (length), liquid measurement, area, volume, troy weight, avoirdupois (standard) weight, recipe, speed, temperature and time. Data may be shared between Metrics and other applications by using the copy and paste features of the program. Metrics is compatible with both System 6 and 7 and will work with the keypad, as well as the standard number row on all Macintosh keyboards.
$39 retail
Expert Systems, Inc.; 2616 Quebec Ave.; Melbourne, FL 32935; 407-242-0140 or 407-242-1754 (fax)

MovieProducer
Allows users to create, manipulate and edit QuickTime movies
Macintosh II family; System 6.0.5 or later.

MovieProducer is an integrated hardware/software solution to create, manipulate and edit QuickTime movies. With the hardware, users acquire QuickTime movies into any application that supports video digitizer components. MovieProducer captures video frames in 24-bit color, which are compressed by QuickTime. The resulting movies are then available for editing. MovieProducer accepts input from video cameras, VCRs and camcorders. The software combines powerful digital video technology with a very friendly user interface. Besides recording video on the hard disk, the software catalogs the footage, arranges video segments into sequences, applies filtering and various transition effects and allows the incorporation of screen shots from other applications. In summary, the software lets users create and compose a presentation that combines video, text, graphics and animation.
$799 retail
Computer Friends, Inc.; 14250 NW Science Park Dr.; Portland, OR 97229; 503-626-2291 or 503-643-5379 (fax)

Multi-Ad Search 2.0
Image cataloging and retrieval system
Macintosh Plus or larger; 2 MB of RAM; System 6.0.3 or later.

Multi-Ad Search is an innovative graphics database that allows users to catalog and retrieve Macintosh-based graphics. Search 2.0 provides the ability to open Version 1.0 files and offers virtually unlimited potential with 160,000+ records per catalog, as well as faster search times due to a new database engine. With a totally redesigned interface, Search 2.0 is 32-bit clean with Help Balloons and allows users to open and/or search multiple catalogs and print text lists and catalogs. This version supports popular Macintosh graphic formats, including Multi-Ad Creator file formats.
$249 retail
Multi-Ad Services, Inc.; 1720 W. Detweiller Dr.; Peoria, IL 61615; 309-692-1530, 800-447-1950 or 309-692-5444 (fax)

Portfolio
Database that stores typeset-quality graphics
Macintosh Plus or larger; 4 MB of RAM; hard disk drive.

Portfolio is a database program that lets users store thousands of typeset-quality PICT Paint, EPS and TIFF graphics. Any graphic that can be copied to the Clipboard can be saved in Portfolio. Each entry is displayed as a thumbnail in the viewfinder. Users can adjust the viewfinder to display any number of graphics at one time. Users can search for graphics by name or browse through the collection at any speed. Entries may also have more than one name. Portfolio databases can reside on an individual computer or on a network server. The server database can be edited simultaneously from any workstation. Portfolio is System 7 compatible.
$99 retail
SoftShell International, Ltd.; 1600 Ute Ave.; Grand Junction, CO 81501; 303-242-7502 or 800-240-6469 (fax)

PosterWorks
Color large-format production
Macintosh II or larger; 2 MB of RAM; 20 MB hard disk drive; System 6.0.3 or later.

PosterWorks enables users to create layouts up to 10,000 square feet, tiled for output on any PostScript printer or at a PosterWorks Large-Format Service Bureau. The program is capable of generating point-of-purchase displays, posters, tradeshow exhibits, theatrical backdrops and billboards. PosterWorks offers many unique production controls, including tools for configuring layout size, varying panel size, gap between panels, overlap and printer calibration. Artwork is imported in EPS, TIFF and Scitex format. Version 3.0 ships with a complete library of predesigned templates.

PosterWorks Bureau Edition offers all the capabilities of PosterWorks, with further enhancements designed specifically for users operating large-format printers in a service environment. The Bureau Edition adds densitometer-controlled color calibration, hardware acceleration, support for client/service job files and picture replacement.
$395 retail; PosterWorks
$2,995 retail; PosterWorks Bureau Edition
S.H. Pierce & Co.; One Kendall Sq., Ste. 323, Bldg. 600; Cambridge, MA 02139; 617-338-2222 or 617-338-2223 (fax)

QuickColor
Allows users to color their HyperCard stacks with pictures, colors or both
Macintosh LC or larger; 4 MB of RAM; hard disk drive; HyperCard 2.1 or later.

QuickColor allows users to color their HyperCard stacks with pictures, colors or both, with no programming or scripting needed. Adding color to buttons or fields or adding color pictures to cards has never been easier. By simply pointing and clicking, users choose a picture or color, or blend a picture with a color. QuickColor then adds all the necessary script to a user's cards. Users can color as many buttons and fields on a card as they wish and they can add color at any time. QuickColor also allows users to add picture files to their stack as resources and remove any picture resources in their stack. The software allows users to mix a picture image and a color, chosen from the color picker wheel, in 15 different combinations. The QuickColor package includes: QuickColor, Color Presentation Ideas and QuickColor User Guide.
$25 retail
Bliss Interactive Technologies; 6034 W. Courtyard Dr., Ste. 305; Austin, TX 78730; 512-338-2458

QuickFlix!
Personal movie-making software
Macintosh LC or larger; 3 MB of RAM; QuickTime (included).

QuickFlix! is a movie-making tool for everyone. It is inexpensive yet powerful enough to build "real" QuickTime movies for business presentations, education, CD-ROM or just for fun. QuickFlix! and QuickTime provide true Personal Movie Making Software for all Macintosh users, including entry level machines that do not have acceleration hardware. QuickFlix! contains everything users need to produce their own movies, including digitizing, editing, basic special effects, sound editing, titling, layering and motion control — all in an easy-to-use interface that allows users to use their Macintosh skills to start making movies right away. It allow users to record movies, edit them, and add sound, titles or special effects like layering and motion control. QuickFlix! is an easy-to-use interface that allows users to use their Macintosh skills to start making movies right away. QuickFlix! includes optimized support for the Power Macintosh to greatly reduce rendering times.
$149 retail
VideoFusion, Inc.; 1722 Indian Wood Cir., Ste. H; Maumee, OH 43537; 419-891-1090, 800-638-5253 or 419-891-9673 (fax)

Resource Library Vol. I
Collection of public domain color pictures and QuickTime movies
Macintosh LC or larger; 2 MB of RAM; System 6.0.7 or later; CD-ROM drive; QuickTime to run movies and display QuickTime compressed pictures.

Resource Library Vol. I compact disc provides video-quality pictures and QuickTime movies, all public domain. The contents are aimed at a general audience. Users can use them freely as they would any clip media by simply copying and pasting them into documents. Subjects include Animals, Environment, Farms & Ranches, People, Plants, Scenes, Space, Weather and Wild Caves. The CD-ROM includes more than 550 video-quality, full-color (24-bit) pictures; compressed pictures; more than 60 QuickTime video color movies; and a HyperCard stack for navigating through the pictures and movies. An area on the HyperCard stack is available for users to add their own notes. A Find feature allows users to search through the information contained in the stack.
$20 retail
Bliss Interactive Technologies; 6034 W. Courtyard Dr., Ste. 305; Austin, TX 78730; 512-338-2458

Resource Navigator II
Allows users to create, edit and play back multiple media types in HyperCard stacks with no programming or scripting
Macintosh LC or larger; 2 MB of RAM (4 MB with QuickTime); hard disk drive; HyperCard 2.1; QuickTime (to run movies and display QuickTime compressed pictures); System 6.0.7 or later.

With Resource Navigator II, users can create, edit and play back multiple media types, including QuickTime movies, in HyperCard stacks with no programming or scripting needed. Adding pictures, sounds, audio compact disc music, external videodisc sequences and QuickTime pictures and movies is easier than ever. If users have a video/frame capture board, they can create their own QuickTime movies and use them in any QuickTime-capable application. By simply pointing and clicking, users create HyperCard buttons that contain all the commands needed to access these different types of media. The Resource Navigator II package includes: Resource Navigator II (authoring tools to integrate various types of media into any HyperCard stack), Resource Library (stacks to store media buttons), Presentation Ideas, ClipScripts (a collection of both typical and common scripts users can copy and paste into their stacks) and QuickTime
$99 retail
Bliss Interactive Technologies; 6034 W. Courtyard Dr., Ste. 305; Austin, TX 78730; 512-338-2458

SignPost
Sign cutting
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later.

SignPost is designed especially for professional sign makers. Users can design graphics and lay them out in any Illustrator-compatible product and send it to vinyl on their choice of cutters. Features include: export and read plot files in HP-GL or DM/PL plotter languages; export PostScript artwork directly into DXF files; unlimited tiling control for any sized cutter; automatic grid layouts for multiple copies; unlimited custom media size selections accurately display on screen the exact size of the media for precise placement of all artwork; scale by exact dimensions or percentage; user-definable macro menus allow users to add their own special commands to SignPost at any time; and more.
$595 retail
Taylored Graphics; 21332 Aaron Ct.; Lutz, FL 33549; 813-948-7808 or 813-948-3828 (fax)

Sound Bytes Developer's Kit
Speech synthesis software
Macintosh SE/30 or II family; 2 MB of RAM; System 7.0.

Sound Bytes converts unrestricted English text (ASCII) into understandable speech on a sentence level. The built-in capability of understanding a sentence or phrase gives the synthesized female voice natural rhythm and phrasing. Sound Bytes offers text-to-speech synthesis on a disk. No digital signal processing chip is needed. The program has an unlimited vocabulary. The Developer's Kit is provided as a library of subroutines callable from C that can be linked to a variety of applications requiring voice output, including multimedia integration, reading E-mail and accessing databases remotely by phone. It is compatible with all Apple speech standards.
$3,750 retail; Development License plus royalties
Emerson & Stern Associates, Inc.; 10150 Sorrento Valley Rd., Ste. 210; San Diego, CA 92121; 619-457-2526 or 619-457-1876 (fax)

■ TEC Movies
Provides seamless QuickTime movie management for 4th Dimension
Macintosh Plus or larger; System 7.0 or later; 4th Dimension 2.2.3 or later; hard disk drive recommended.

TEC Movies provides users with seamless QuickTime movie management for 4th Dimension database applications. Users can manage volumes of movies that require a database application and TEC Movies provides the extra functions required to make the movie management tool ideal. TEC Movies is a 4th Dimension module that is easy to incorporate with any database. Users simply draw a TEC Movies area on a layout and TEC Movies will automatically store the movie references with the record. TEC Movies allows users to incorporate existing movies into their database, edit movies, create new movies through editing and create new movies by building the movie from pictures stored in their database.
$100 per user retail
TEC Solutions; 19672 Stevens Creek Blvd., #169; Cupertino, CA 95014; 408-973-8855 or 408-973-8979 (fax)

Thumbs Up
Image database
Macintosh II or larger; 8 MB of RAM; 80 MB hard disk drive; System 7.0 or later; QuickTime.

Thumbs Up is a system for organizing, cataloging and viewing visual information of all kinds. Thumbs Up can significantly heighten productivity and enhance the effectiveness of professionals who make use of images or depend on visual information in their field of practice. Thumbs Up offers the following benefits: locates media resources in seconds; stores gigabytes affordably; controls access at multiple levels; and sends media resource files quickly. Thumbs Up incorporates the JPEG standard for compression of continuous tone still images to provide outstanding speed in this archive database. The program was designed to perform at high speed over a network. Capable of archiving millions of images, the database contains more than 100 alphanumeric fields for cataloging each image, a thumbnail of the image and pointers in the form of pathnames to a network resolution version of the image, the high-resolution version of the image and a related QuickTime audio, video or animation file. Because the actual media resource file does not reside in the database, searches and displays of multiple thumbnail images occur quickly, allowing for quick visual searches of similar images. Thumbs Up shuttles a compressed version of the image when users double-click on a thumbnail of the desired image. The image is then decompressed on the fly via Storm Technologies JPEG code or accelerated by the Storm Technology PhotoFlash (or SuperMac ThunderStorm) image processing board. This gives the ability to view a full-color, full-screen (640 by 480), photographic-quality image two to three seconds after selecting a thumbnail image for viewing.
$995 retail; single user
$9,995 retail; multiuser (includes client/server network version of Thumbs Up, 10-user license, one year of toll-free telephone support)
$695 retail; Storm Technology PhotoFlash image compression board (required)
Graphic Detail, Inc.; 4020 Westchase Blvd., Ste. 500; Raleigh, NC 27607; 919-833-3366, 800-234-8635 or 919-833-0777 (fax)

Virtus VR
Virtual reality for the desktop
Macintosh II or larger or Power Macintosh; 8 MB of RAM; System 7.1 or later.

Virtus VR is a 3-D modeling program that features an intuitive "drag and drop" approach to world creation. This method of object-oriented drawing allows users to choose 3-D shapes, from galleries supplied with the program, to build more complex objects and structures. The Virtus VR features one cubic miles of cyberspace, construction and navigation tools, galleries of 3-D objects that can be added to any Vitrus VR environment and six pre-built scenes that illustrate the program modeling, texture-mapping and real-time "walk-through" capabilities. It is also supplemented by an on-going series of add-on galleries that greatly cut down on modeling time by providing commonly used, pre-constructed 3-D objects that bring life to virtual worlds.
$99 retail
Virtus Corp.; 117 Edinburgh S, Ste. 204; Cary, NC 27511; 919-467-9700, 800-847-8871 or 919-460-4530 (fax)

Database Management

1stBase-II
Automated, programmable relational database
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.

Users can create files of their own design, enter and edit data, sort multiple fields and produce reports from single or relationally-joined files. 1stBase-II features macro programming, 40+ functions that allow arithmetic computing with function analysis on up to 100 derived fields using If-THEN-ELSE logical arguments. Up to five-across labels and simple mail-merge functions are supported. Reports with multiple line headings can include up to 100 derived fields and can be saved as text. Featuring ease of use and setup, 1stBase-II supports up to two billion records, blueprint lockout, time and date calculations, 255 characters per field and 255 fields per record. 1stBase-II allows custom user interfaces in 1stVue II or HyperCard. 1stBase-II macros are saved as documents at the Finder to allow 1stBase-II automated processes to be run from HyperCard. Users can simplify complex business functions to a click of the mouse.
$179 retail
1stDESK Systems, Inc.; 55-57 Cape Rd.; Mendon, MA 01756; 800-522-2286 or 508-634-0882 (fax)

1stVue II
Form completion and multiuser database
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.

1stVue II provides the tools required for users to set up applications via forms and files. 1stVue is a form completion and multiuser database that includes a unique graphic forms interface with multimedia capability. It is designed for use with 1stBase-II, a relational database and report generator. By using 1stVue II with optional DataModeler and 1stBBS-II, users can create a form with 1stVue II and send it to customers with 1stBBS-II. Customers then fill out the form with DataModeler and send it back with the files attached using 1stBBS-II. Clairvoyant Posting gives users the ability to simply open the form with 1stVue and customers' data is automatically added to the database. Customers view their orders with 1stBBS-II's database lookup feature. 1stVue II features patented Fuzzy Find over weighted fields and MacroAccess Command icon system automation. 1stVue II supports 12 different kinds of data filters, including documents, sounds, pictures and QuickTime movies. The 1stVue II database is automatically generated based on the form's attributes. 1stVue II's numerous display and entry filters provide users with an efficient way of entering and displaying all of their business information. It is System 7 compatible.
$179 retail
$49 retail; Run-time Client Version
1stDESK Systems, Inc.; 55-57 Cape Rd.; Mendon, MA 01756; 800-522-2286 or 508-634-0882 (fax)

4th Dimension 3.0
Relational database
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.3 or later.

4th Dimension is a relational database that is fast, powerful, easy to learn and easy to use. It enables users to quickly create personalized systems. 4th Dimension has its own built-in, pre-emptive, multitasking system. With this system, even casual users can import data, print reports and design forms simultaneously — all without programming. And, 4th Dimension keeps pace with a user's needs as they grow in complexity and size. It features an extensive programming language, automatic button scripting, multipage layout and easy-to-use procedures. 4th Dimension databases can be used in multiuser mode without modification by utilizing 4D Server, ACI's native client/server architecture for 4th Dimension.

ACI also offers integrated application modules for 4th Dimension: 4D Draw, an object-oriented drawing module; 4D Calc, a spreadsheet module; Graph 3D, a full-featured graphics module; 4D Write, a word processing module; 4D D.A.L., an extension that allows access to data servers on minicomputers and mainframes; 4D SQL Server, provides an interface to SyBase SQL server databases residing on host computers; 4D External Kit, allows developers to add new capabilities (extensions) to 4th Dimension; and 4D Compiler, translates procedures and scripts from 4th Dimension database applications into assembly-level instructions.
$895 retail; 4th Dimension
Call for pricing; 4D Server
$295 each retail; 4D Draw, 4D Calc, Graph 3D, 4D Write

These Products Available Through Bottom Line Distribution
1-800-347-1923

$395 retail; 4D D.A.L.
Call for pricing; 4D SQL Server
$250 retail; 4D External Kit
$1,000 retail; 4D Compiler
ACI US Inc.; 20883 Stevens Creek Blvd.; Cupertino, CA 95014; 408-252-4444, 800-384-0010 or 408-252-0831 (fax)

BrioPublish
Database publishing tool for FrameMaker 4
Macintosh Plus or larger; 2.5 MB of RAM; System 7.0 or later.

BrioPublish is a database publishing tool for FrameMaker 4. One of the first API Clients developed exclusively for FrameMaker 4, BrioPublish delivers data straight from corporate databases into a fully-formatted and designed FrameMaker publication. BrioPublish's querying capability provides features and a user interface that simultaneously satisfy IS concerns and invite end-user data access. Even non-technical users can employ BrioPublish to access their host data. A simple click and drag interface replaces the need to know SQL. BrioPublish's graphical representation of tables and columns is an easy introduction to database access. BrioPublish employs familiar FrameMaker features, therefore FrameMaker users will find it easy to incorporate information from their database into their Frame documents. Reusable BrioPublish templates retain formats and styles and make data updating completely automatic. In addition, BrioPublish preserves all FrameMaker elements in the database document, therefore the resulting document inherits a professional quality not usually found in database reports. BrioPublish accesses most major databases. Examples include Oracle, Sybase, Informix, Ingres, DAL, DB2 and more.
$795 retail
Brio Technology, Inc.; 444 Castro St., Ste. 700; Mountain View, CA 94041; 800-486-2746 or 415-961-4572 (fax)

Butler
Multiuser database server and relational database management system
Macintosh Plus or larger; System 7.0 or later.

Butler is a feature-rich, multiuser database server and relational database management system. It is a client-server database for the Macintosh OS that supports Apple's Data Access Language (DAL). Because Butler uses client-server technology, users send only small text (SQL-like) commands across the network to request data. The Butler server performs any necessary processing and sends back the results. A wide variety of applications support access to DAL servers and, therefore, to Butler. These include Microsoft Excel, Resolve, HyperCard, 4th Dimension, Omnis 7, DataPrism, GQL and ClearAccess. In addition, developers can write their own applications using C, Pascal, Prograph, Serius and other lower-level languages. Butler supports numerous data types, allowing users to store pictures, sounds, QuickTime movies and Macintosh documents, along with standard text and numeric data. Clients can access the Butler server using System 7's program linking or through the Communications Toolbox (modem, ADSP, etc.).
$395 to $1,695 retail
Everyware Development Corp.; 6543 Mississauga Rd.; Mississauga, Ontario, Canada L5N 1A6; 905-819-1173 or 905-819-1172 (fax)

ClearAccess
Queries/updates host data
Macintosh Plus or larger; 1 MB of RAM; System 6.2 or later.

ClearAccess is a Macintosh and Windows application that provides powerful and flexible data access services to corporate end users, information system developers and other applications. With ClearAccess, an organization can have a single, consistent interface to all of its corporate data. Using a simple, graphical interface, ClearAccess allows users to create SQL-type queries to most relational databases by just pointing and clicking on the data items they want. Queries can then be recorded as scripts while they are being executed, then saved anywhere on the network and run by other users from their own workstations. Query results can be automatically moved into any other application for further analysis and manipulation, even providing upload capability. ClearAccess can be integrated into the macro facilities of other Macintosh applications, such as Microsoft Excel, Informix Wingz and Full Impact spreadsheets, HyperCard and 4th Dimension. In this way, complete turnkey client/server applications can be created, without requiring developers to master the complexities of SQL, networks or data server operating systems. ClearAccess makes host-based data access a natural and transparent part of a user's experience, connecting them to a wide variety of corporate databases in a straightforward, uniform manner. Also included is ClearReports, a sophisticated, graphical report generator.
$460 retail
$530 retail; with one year technical support
ClearAccess Corp.; 200 W. Lowe; Fairfield, IA 52556; 515-472-7077, 800-522-4252 or 515-472-7198 (fax)

ClearManager
Enables database managers to control data access
Macintosh Plus or larger; System 7.0 or later.

ClearManager allows database managers to control data access, which means controlling the clients in client/server systems. It allows users to know what is going on with their database, who's connected to it and what they are doing. ClearManager also has the power to do something about it, being able to set all access permissions intelligently. It enables users to keep track of every database access; find out how many users are connected, how long they have been connected and what queries are in progress; review histories of data access; control what users of ClearAccess on the network can do; allow or disallow any database command for single user, group or all users; submit queries for later execution; see which commands are queued, change the order or delete them, notifying the user; catalog server — tell users about the database, create custom catalogs with table and column names, easy to read alias, join, primary and foreign key and more; pre-define "table groups" so users don't have to wade through dozens (or hundreds) of tables; and script server allows users to share libraries of ClearScripts.
$4,500 retail; per Administration Module
ClearAccess Corp.; 200 W. Lowe; Fairfield, IA 52556; 515-472-7077, 800-522-4252 or 515-472-7198 (fax)

DAtabase
Database desk accessory
Macintosh 512KE or larger; System 5.0 or later.

DAtabase is a full-featured database desk accessory that can file all types of materials, including color pictures, multifont text, calculated figures and more. The program simplifies importing by automatically creating DAtabase files from text files and other formats with selective field importation. It also provides calculation fields to process forms and financial figures. Features include: three-level password protection on each file; time and date stamping on each record; fully variable window sizes for data files; detailed reporting with multiple rule-based searches; global or field specific find; sophisticated art grabber for pictures with both marquee and lasso; marking capability on selected records; auto copy of complete records; flexible exportation; extension printing options; telephone dialing; multiple picture fields per record; online help; color and font control of fields and text; innovative check box and pop-up fields; and HyperCard-like background graphics and border types.
$129.95 retail
Baseline Publishing, Inc.; 1770 Moriah Woods Blvd., Ste. 14; Memphis, TN 38117; 901-682-9676 or 901-682-9691 (fax)

DataEdit
Client/server application construction kit for building online applications
Macintosh Plus or larger; 5 MB of RAM; System 7.0 or later.

DataEdit is a complete client/server application construction kit for building online applications with a forms-based user interface. It requires no programming of window events or hard-coded SQL. DataEdit includes a full GUI-specification layer above a unique automatic SQL engine. This design enables rapid prototyping of client/server database applications in days, not months. All IS organizations that need to capture data directly into SQL databases can use DataEdit immediately to reduce the backlog of departmental and group applications. DataEdit accesses all major SQL databases transparently, including: Butler, DB2, Informix, Ingres, NetWare SQL, Oracle, SQL Server and Rdb. Connectivity software supported includes Apple's Data Access Language (DAL), Open Client, SQL*Net and SequeLink.
$999 retail
Brio Technology, Inc.; 444 Castro St., Ste. 700; Mountain View, CA 94041; 800-486-2746 or 415-961-4572 (fax)

DataPrism 2.1
Ad hoc query tool
*Macintosh Plus or larger; 2 MB of RAM; access to SQL database through DAL, SQL*Net, Open Client, EDA/SQL or SequeLink; System 6.0.7 or later.*

DataPrism is a database query tool that enables Macintosh users to copy data from remote databases into spreadsheets, word processors and charting programs without programming. DataPrism fulfills the promise of client-server computing; it taps into mainframe databases and then provides local processing for quick analysis. With System 7, DataPrism automatically links current data with spreadsheets, word processors or charting programs — reports reflect new data instantly. DataPrism has a unique visual data model that enables analysts to build queries without relying on database experts. It previews actual contents of database tables, lists valid constraint choices, joins tables automatically and runs in the background during extended processing. With its full-featured user interface, interactive reporting and complete export capabilities, DataPrism supports the entire analytic process, from raw data to meaningful results. DataPrism connects to all servers supported by Apple's Data Access Language, Oracle database servers, Sybase servers through Open Client and all database management systems via SequeLink and EDA/SQL.
$399 retail
Brio Technology, Inc.; 444 Castro St., Ste. 700; Mountain View, CA 94041; 800-486-2746 or 415-961-4572 (fax)

dBman V
Relational database that is command compatible with dBase III Plus
Macintosh Plus or larger; 1 MB of RAM.

dBman V is a dBase III Plus-compatible relational database management system that allows most dBase applications from PC DOS to run with no change on the Macintosh or Apple A/UX. Applications written in dBman V are fully portable to more than 40 platforms, including Macintosh OS, A/UX, PC DOS, LAN, Unix, Xenix, AIX, Sun, DEC and mainframes. dBman V features more than 130 enhanced and powerful commands and functions over dBase II Plus that reduces code size considerably. It includes scrollable windows, menus, UDFs, multidimensional arrays, file and record locking, data encryption and protection at field level and more. dBman V includes a relational report generator that creates complex reports without programming. It creates columnar or multiline reports, such as sales analysis, invoices, statements and inventory control sheets. Report layouts are designed on screen in "bands" and fields can be moved, copied, deleted and added by simple keystrokes. dBman V comes with a source-level debugger and allows users to set break point, single step and edit source code while debugging. dBman V includes a compiler that supports macros. Runtime is also available. Version 5.3 has many Clipper compatibility features. The A/UX allows an unlimited number of users. dBman V is System 6 and 7 compatible.
$1,295 retail
VersaSoft Corp.; 4340 Almaden Expwy., Ste. 110; San Jose, CA 95118; 408-723-9044

Eclipse
Advanced graphic tool to question SQL databases from Macintosh or PC Windows
Macintosh Plus or larger.

Eclipse provides an easy-to-use graphical way of querying SQL databases. Three levels are available: the administrator level (the highest level) — only the administrator can create, modify or erase "Universes" and "Users"; the developer level — can use the Universes that have been prepared by the administrator to create SQL requests and dialogs; and the user level — is only able to run the requests file created by the

developer. A Universes is a revamped view of a database and its tables. An Eclipse administrator creates one or several User accesses. A User access is either a developer or a user. One or several Universes can be associated to each created user. Eclipse includes the CI-Link API and DAM API (DAL, Sybase, Oracle). It is also able to create interactive query documents.
$700 U.S. retail
ASC; 10601 S. De Anza Blvd., Ste. 105; Cupertino, CA 95014; 408-725-4242 or 408-725-4243 (fax)

Empress Database Server
Provides the Empress RDBMS with fully distributed client server and multiserver architectures
Macintosh II; 2 MB of RAM; 9 MB of disk space; A/UX.
The Empress Database Server enables the Empress RDBMS to be fully distributed across a network of heterogeneous computers while appearing to users as if it were resident on their own system. Superior to traditional client/server implementations, Empress operates in a true peer-to-peer mode, eliminating the need to segregate clients from servers. Any system on the network can be designated as a client, a server or both, giving greater options to the network manager for load balancing and applications design. As a result, applications are more efficient and machine idle time is dramatically reduced. In addition, Empress does not require any specific network file system; it relies only on the TCP/IP protocol found on all standard networks. The Database Server even supports the 64-bit to 32-bit environment required for supercomputer to workstation peer-to-peer full database functionality. The Database Server is currently available for Unix, UNICOS and LynxOS.
Call for pricing
Empress Software, Inc.; 6401 Golden Triangle Dr.; Greenbelt, MD 20770; 301-220-1919 or 301-220-1997 (fax)

Empress RDBMS
Relational database management system
Macintosh II; 2 MB of RAM; 9 MB of disk space; A/UX.
Empress RDBMS incorporates ANSI standard SQL, a C callable RDBMS kernel, a full-function report writer, a 4GL application generator with powerful windowing capabilities, Dynamic SQL and a complete set of productivity tools into one integrated environment. Offering advanced functionality, Empress delivers high-performance applications that can be prototyped, developed and executed in local or distributed environments. Some of the advanced technology in the Empress RDBMS is kernel-level access, X-Windows OSF/Motif support, fully distributed capability, variable length binary datatype for storing images, voice and text, 8-bit European datatype, 16-bit Kanji datatype, user-defined functions and much more.
Call for pricing
Empress Software, Inc.; 6401 Golden Triangle Dr.; Greenbelt, MD 20770; 301-220-1919 or 301-220-1997 (fax)

Empress Report Writer
Produces customized reports
Macintosh II; 2 MB of RAM; 9 MB of disk space; A/UX.
Empress Report Writer gives users the ability to generate custom reports from one or more Empress databases. Users can combine data from multiple SQL SELECT statements, operating system files or Empress 4GL applications to create complex reports. With this package, users have full control over headers, footers, justification, paging and formatting.
Call for pricing
Empress Software, Inc.; 6401 Golden Triangle Dr.; Greenbelt, MD 20770; 301-220-1919 or 301-220-1997 (fax)

Feedback For 4th Dimension
Streamlines the user-developer communication loop
Macintosh Plus or larger; 4th Dimension.
Feedback for 4th Dimension is a development productivity package that streamlines the user-developer communication loop by tracking the needs and problems of people using custom 4D applications. When the Feedback library is installed in any custom application, an easy-to-use feedback mechanism is available to the user. When the user activates Feedback, a feedback slip is created on which the user enters comments. Feedback also automatically profiles and attaches to the slip other relevant information, such as a current screen snapshot, a list of the user's previous actions and network activity. The feedback slips are stored in the database for export to Backtracker, a multiproject tracking system included with Feedback, which lets the developer review and track feedback slips in a variety of ways. Feedback can work in any existing 4D application without changing the logic or design of the application. It is fully compiler and multiuser compatible.
$249 retail
Macintosh Business Systems, Inc.; 3 Country Ln.; Mamaroneck, NY 10543; 914-698-7215

File Force 1.2.2
Data management for novices and experts
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.3 or later.
File Force provides data management for novices and experts. Users can employ templates or create a personalized system for entering data — even a mirror image of existing paperwork systems. Users can also do instant searches and sorts, rapid updates and quick and detailed columnar reports; create form letters and address labels with intuitive, built-in editors; and allow several users access to the same files simultaneously. For additional power, the system can be upgraded to 4th Dimension.
$395 retail
ACI US Inc.; 20883 Stevens Creek Blvd.; Cupertino, CA 95014; 408-252-4444, 800-384-0010 or 408-252-0831 (fax)

FileMaker Pro 2.1
Database manager
Macintosh Classic or larger; 1 MB of RAM; hard disk drive; System 6.0 or later.
FileMaker Pro is a database manager that allows information to be accessed quickly and easily, simplifies repetitive tasks and allows data to be shared over a network. Features include: Mac/IPC support, automatic indexing of every word, date, number and calculation; number of records, fields and layouts limited only by disk space; easy-to-use scripts automate repetitive tasks without programming; search by range, greater than, less than, exact match and prefix matching; search on multiple fields and criteria with "and," "or" and "not" capabilities; multiple search and sort formats; open up to 16 files at one time; create field types for text, number, date, picture, calculation and summary data; view and edit multiple records; define calculations using more than 60 financial, data, text, logical and statistical functions and operators; hold up to 32,000 characters of rich text with automatic word wrap in text fields; enter dates, serial numbers, lists of values and default values automatically; add, change or remove fields, layouts or calculations at any time without data loss; variable field length; import SYLK, .DBF, .WKS, Basic and text files into new or existing records; export SYLK, Basic and text for use with other products; MultiFinder support for background processing; keyboard equivalents for most commands; user-definable buttons; is multiuser-ready for workgroup applications; extensive System 7 capabilities; and multimedia support.
$399 retail
Claris Corp.; 5201 Patrick Henry Dr.; PO Box 58168; Santa Clara, CA 95052; 408-727-8227 (customer relations), 800-735-7393 U.S upgrades) or 800-334-3535 (U.S. dealers)

Filevision IV
Graphic database management system and drawing program
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.
Filevision IV is a multilayer drawing program and an integrated database. Users can create a "real world" visual database that not only maintains records on a number of related objects, but also provides a large drawing page that includes symbols or actual images of those objects and their spacial relationships. Each of the drawing page objects can be attached to a database record. Filevision IV supports color; direct import of PICT, EPSF and MPNT graphics; a modifiable symbol table; import and export text files; and print page or a print library with report, form, label and mail merge form letter formats. A 154-page illustrated online context-sensitive help file and a 402-page illustrated manual are included to help users in setting up integrated imaging database files. Filevision IV is System 7 compatible.
$295 retail; upgrades available
TSP Software; 4790 Irvine Blvd., Ste. 105-294; Irvine, CA 92720; 714-731-1368 or 714-832-8568 (fax)

Getting Started With The ClarisWorks Database Tutorial
Macintosh Plus or larger; ClarisWorks.
The seven step-by-step lessons in this 64-page tutorial teach users how to create their first ClarisWorks database, how to create reports and screen layouts, how to enhance their reports with graphics and how to use macros. The manual includes a disk with the files needed to work through these easy-to-follow lessons.
$14.95 retail
ClarisWorks Users Group; PO Box 701010; Plymouth, MI 48170; 313-454-1969 or 313-454-1965 (fax)

GQL (Graphical Query Language)
Graphical query and reporting front-end to SQL databases
Macintosh with 2 MB of RAM; System 6.0 or later.
GQL (Graphical Query Language) provides a comprehensive, multiplatform solution to managing end user access to SQL database information. GQL's powerful family of tools enables information system professionals to quickly develop customized graphical data access environments for a wide range of users. GQL supports both executive push-button and ad hoc data analysis capabilities. The system provides transparent integration with popular applications, such as Microsoft Excel and Word, to enable developers to create cost-effective decision support systems. Graphic images (e.g., maps, photos, clip art) can be combined with GQL's prompting feature to provide a dynamic "drill-down" capability that enables users to easily access information. The current GQL family includes GQL/User, GQL/Admin, GQL/Update and GQL/Design. Networks supported include AppleTalk, Ethernet, TCP/IP, SQL/NET, Novell, DAL, SequeLink, DB-Library, LAT, Tandem 6530 and asynchronous.
$1,995 retail; GQL Administrator
$495 retail; GQL/User
$495 retail; GQL/Update
$995 retail; GQL/Design
$3,995 retail; 10 Pack GQL/User or GQL/Update
$4,995 retail; Developers Kit
A free demo is available
Andyne Computing, Ltd.; 552 Princess St.; Kingston, Ontario, Canada K7L 1C7; 613-548-4355, 800-267-0665 in U.S. or 613-548-7801 (fax)

Helix Express 2.0
Database management/workgroup development environment
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later (System 7 is required to take advantage of Publish and Subscribe and external document storage).
Helix Express, a relational, non-procedural and object-oriented groupware development environment, requires no programming language. Users can easily make programming changes at any time so a database can change and grow as their needs do. BLOB (Binary Large OBject) support allows users to store and retrieve documents within Helix Express and launch documents in their native applications. The Helix Express client/server technology provides true referential integrity. Changes made by any user will automatically update across the network in real time. Helix Express comes with Ready-to-Go Solutions, making it easy to manage everything from personal contacts to a whole business as soon as users open the box. Helix Express supports all models of Macintosh computers (Macintosh Plus or later). It is also compatible with AppleShare, MultiFinder, System 7 and 32-bit addressing and PowerPC. Registered owners of Helix Express receive free technical support. Training and consulting services, as well as the Helix Professional Developer Program, are also available.
$589 retail
Helix Technologies; 744 Pinecrest Dr.; Prospect Heights, IL 60070; 708-465-0242, 800-364-4359 or 708-465-0252 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

ImporTool
Free-form to structured database formatting program
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; HyperCard 2.1 or HyperCard Player; System 6.0.5 or later.

ImporTool is a utility for formatting data from any free-form data source (text files of all kinds, as well as popular contact managers, such as QuickDex, InTouch and HyperCard) for import into structured databases, such as TouchBase, Dynodex, EndNote, FileMaker, 4th Dimension, etc. A structured database provides many advantages — in particular the ability to sort and select data by different fields. But moving free-form data into a structured database has previously been a laborious, time-consuming chore. Using ImporTool's unique system, users can format the data in a remarkably fast and easy manner. The resulting formatted data is written to a text file that is structured especially for the target database. ImporTool supports several popular database programs, and its custom export capabilities can support virtually any database.
$79.95 retail
LEVEL 6 Computing; 22647 Ventura Blvd., Ste. 201; Woodland Hills, CA 91364; 818-888-0675 or 818-888-5635 (fax)

MacList 7
Desk accessory database for sorting and searching files
Any Macintosh.

MacList is a desk accessory list manager database. Features include: create spreadsheet-like databases with variable width columns; perform summing functions; select fonts, styles and sizes; instant importing of files without preliminary field creation; search functions, fast and powerful across selected or all fields; sort features allow up to three levels via pop-up menus; links directly with Smart Alarms to move entries to reminders in a single command; and phone numbers dialed via modem in pulse and tone settings.
$38 retail
JAM Software USA; PO Box 4036; Meriden, CT 06450; 203-630-0055, 203-686-1900 (fax), Int. + 612-550-0884 (Australia) or 612-564-3353 (fax)

Make…Repeats+
Processes text files for import into FileMaker Pro
Macintosh Plus or larger; System 6.0.3 or later.

Make…Repeats+ is a Macintosh application that processes text files for import into FileMaker. Features include: convert records with a common key field to one record with repeating fields; eliminate duplicate records and mailing labels; create customer lists from order records; combine two or more fields into repeating fields; push down a repeating field and insert latest mailing date at the top; convert spreadsheet values to one FileMaker record; split repeating fields into separate records while sharing on a network; convert FileMaker returns in text fields to real returns; convert every word in a text field to a separate record for indexes and dictionaries; and convert tab files to return files for EDI.
$59 retail
Acrobytes Software; 25108-B Marguerite Pkwy., Box 258; Mission Viejo, CA 92692; 714-768-8490

MediaBase
Allows users to collect, access and display multimedia information
Macintosh IIci; 4 MB of RAM; hard disk drive; System 7.

The MediaBase system provides an environment that allows users to easily and cost effectively collect, organize, access and display multimedia information. Subject context can be developed by manual input, or automatically developed from any external hierarchical structures. A subject context can consist of as many as 25 levels with the program providing path visibility through the context automatically. The media associated with any statement in the subject context is displayed simply by clicking or touching the subject statement. New media can be developed using any application program familiar to a user. External files can be remotely accessed over existing networks. Media storage is maintained separately from the context structure, so the files can be developed and maintained without impacting the MediaBase context structure. Linkages are easily integrated into the desired context using simple dialog boxes. Windows can be presized and multiple media forms presented concurrently. Individual media elements can be linked to one or more context statements or applications, insuring concurrency of data and reducing redundancy of files.
$1,995 retail; MediaBase Composer
$495 retail; MediaBase Presenter
An analog version is available
MediaBase, Inc.; 14630 178th Ave. NE; Woodinville, WA 98072; 206-485-1807

Microsoft File 2.0
Data management program
Macintosh Plus or larger; two 800K disk drives or hard disk drive.

Microsoft File is a database that allows users to record, organize, manage, sort and report all kinds of information. In addition to dates, numbers and text, the program allows a user to store pictures created with MacPaint and MacDraw, and graphs created with Microsoft Chart and Excel. Data can be entered using a built-in List Helper, or users can custom design a format that best fits their use. Printed reports offer column totals, subtotals, averages, standard deviation, minimum/maximum ranges and more. Additionally, Microsoft File allows users to preview reports before they are printed. New to Version 2.0 include: more than 120 templates to make the program easier to use with preprinted forms; supports color capabilities of a Macintosh II; built-in List Helper and online, context-sensitive Help; supports custom-size paper and multi-column labels; memo fields for long text; computed field support for date fields; user-defined default value for field borders; and more.
$195 retail
Microsoft Corp.; One Microsoft Way; Redmond, WA 98052-6399; 206-882-8080

■ **Microsoft FoxPro**
Relational database
Macintosh Plus or larger, including Power Macintosh.

Microsoft FoxPro is a fast, flexible relational database that combines incredible performance, powerful developer tools and accessibility for users. Users can exploit full cross-platform compatibility with FoxPro for Windows and FoxPro for DOS. FoxPro natively supports the Power Macintosh.
Call for pricing
Microsoft Corp.; One Microsoft Way; Redmond, WA 98052-6399; 206-882-8080

■ **Multimedia Sport Database Engine**
Database engine
Any Macintosh; Macromedia Director.

Multimedia Sport Database Engine is a powerful database engine that can be used on a CD-ROM, giving users faster queries to a huge database. The software is sold with interface headers and objects libraries and a protocol of communication with Macromedia Director. Multimedia Sport features numerical and alphanumerical fields, indexed fields, field headers can be changed, full multicriteria search capabilities, extensible engine and consistent programming API.
Call for pricing
Worldwide CD Technology (WCD Inc.); 5253 Decarie Blvd., Ste. 550; Montreal, Quebec, Canada H3W 3C3; 514-489-1001 or 514-489-4966

Office Manager 3.0
Productivity and organization for small businesses
Macintosh SE/30 or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.

Office Manager is an easy-to-use productivity program for small businesses that offers a unique combination of power, usefulness and simplicity. It gives users a productivity edge that speeds owners and managers of small businesses through routine tasks. Features include: a powerful address file; instant letters with built-in word processor; quick merges of standard letters; one-button envelope printing; address label printing by group; to-do list and have-done list; job tracking file with time and expense log; automatic telephone dialing; contact history for each address; faxing features; and unlimited sorting with user-defined keywords and categories. Office Manager can also synchronize its data with another Office Manager application on a second Macintosh, allowing data to be added or modified at either computer. A network is not required. The optional Mail Manager gives Office Manager added filtering capabilities when printing address labels or merge letters to groups of addresses. Mail Manager prevents accidental repeat-mailings by keeping track of who received a particular item — ideal for newsletters or promotional mailings. Office Manager can be linked to White Crow's OnAccount application for a complete communication and billing system.
$99 retail; Office Manager
$149 retail; Office Manager plus Mail Manager
White Crow Software; 19 Marble Ave.; Burlington, VT 05401; 802-658-1270 (tech support), 800-424-0310 (sales) or 802-658-3873 (fax)

Omnis 7 2.1
Relational and/or hierarchical database management system
Macintosh with 68030 processor or larger; 4 MB of RAM; System 6.1 or later.

Omnis 7 is a relational and/or hierarchical database program that has been designed to fully utilize the graphical interface, enhance memory and storage and color capabilities of both Macintosh and IBM PS/2 hardware. It is a comprehensive program for developing business data-management applications. Features include: full color graphics may be included in windows' design or stored in the data file; text data may be displayed in any font and color; a graphic may include hot areas for HyperCard-like buttons; data from different files may be displayed in any window; user-defined menus may be substituted for standard menus; full support for graphic data; push button, radio box, check box field types; WYSIWYG reports; total flexibility with more than 200 programming commands; variable length records for efficient use of disk space; and HyperCard Access.
$3,750 retail
Blyth Software, Inc.; 989 E. Hillsdale Blvd., Ste. 400; Foster City, CA 94404; 415-571-0222 or 415-571-1132 (fax)

Oracle For Macintosh 1.2
Transforms HyperCard into a full-function SQL database
Macintosh SE or II family; 2 MB of RAM; 6 MB of hard disk space; HyperCard 1.2 or later; System/Finder 6.0.2 or later.

Oracle for Macintosh combines Oracle's relational DBMS with Macintosh technology, allowing developers to create sophisticated and diverse Macintosh applications that access Oracle, DB2, SQL/DS or RMS data on more than 85 platforms. HyperCard developers may use Hyper*SQL, Oracle's interface to HyperCard and HyperCard-compatible products. Oracle's Pro*C precompiler lets developers create custom applications by embedding SQL within C programs. Oracle for Macintosh also includes a suite of HyperCard-based tools for end users. The Query Tool allows users to build queries graphically and then output the results to their favorite Macintosh applications.
$699 retail
Oracle Corp.; 500 Oracle Pkwy.; Redwood Shores, CA 94065; 415-506-7000 or 800-542-1170

Pablo
End-user reporting tool providing sophisticated information analysis and display
Macintosh with 2 MB of RAM; System 6.0 or later.

Pablo is a powerful end-user reporting tool for multi-dimensional summary information that provides a complete range of solutions for any client-server architecture. Developed by the makers of Andyne GQL, Pablo creates reports with table, charts and graphs from data sources called HyperCubes — a term that describes multidimensional tables of summary information. HyperCubes can be created by IS departments and maintained in relational databases, on desktops and on local servers. Pablo features include an intuitive graphical user interface, unique Data Navigator and View Builder tools for superior data navigation and data pivoting, user-defined calculations, report layout and drawing features and sorting capabilities.
$99 retail; HyperCube Utility (minimum one required per site)
$695 retail; single copy
$5,495 retail; 10 pack
$2,995 retail; Developer's Kit
A free demo is available
Andyne Computing, Ltd.; 552 Princess St.; Kingston, Ontario, Canada K7L 1C7; 613-548-4355, 800-267-0665 in U.S. or 613-548-7801 (fax)

Panorama II
Database manager
Macintosh Plus or larger.

Panorama is a database manager that combines the speed and simplicity of a spreadsheet with powerful form and database capabilities. The spreadsheet (row/column) format of Panorama is easy to understand and use. And like a spreadsheet, Panorama is spectacularly fast. Panorama lets a user open up to 25 windows at a time. In repetitive data fields the Clairvoyance feature will finish entering data after the first few identifying letters have been typed. It can turn an ordinary database into an outline with up to seven levels of detail, and Panorama's powerful drawing tools allow a user to create and modify complex forms and reports and more. Other features include: the ability to create mailing labels; the ability to change the size of several objects at once; the ability to tie data with pictures; a macro recorder; high-speed import/export; equations; password protection; automatic phone dialing; financial and time functions; support for EPSF pictures; additional chart options; the ability to store and play back sounds; and more.
$395 retail; Panorama
$39.95 to $69.95 retail; optional add-on modules
$6 to $40 each retail; Panorama Templates
ProVue Development Corp.; 15180 Transistor Ln.; Huntington Beach, CA 92649; 714-892-8199 or 714-893-4899 (fax)

Phyla
Object-oriented database
Macintosh Plus or larger; 2 MB of RAM; System 6.0 or later.

Phyla is an end-user object-oriented database. It is designed to collect, store, analyze and present complex information with ease. Phyla has the power of a relational database in a format that is as easy to use as a flat-file system. Users can relate information from a variety of sources, design and layout custom database forms and create complex search queries, all without programming. Phyla's natural, intuitive structure of objects and classes combined with a simple drag-and-drop interface make it both powerful and easy to use.
$495 retail
Mainstay; 591-A Constitution Ave.; Camarillo, CA 93012; 805-484-9400 or 805-484-9428 (fax)

PowerAgent
A Macintosh business agent that automatically performs hundreds of different tasks without the need for user intervention or supervision
Macintosh Plus or larger; 4 MB of RAM (5 MB recommended); System 7.0 or later.

PowerAgent automates time-consuming jobs by getting data from databases, automating database functions, such as generating reports and lists, and even transferring information from one program to another. Plus, users can schedule all of these jobs to run when they're not there. PowerAgent tasks let users send messages, retrieve data, run FileMaker Pro scripts and run AppleScripts. To completely automate these tasks, PowerAgent includes scheduling tools. Users can schedule tasks to run: when they turn the computer on or off; at a set time and date; every hour, day, week, month, etc., or when information changes.
$159 retail
SouthBeach Software Corp.; 2631 Lincoln Ave.; Coconut Grove, FL 33133; 305-858-8416, 800-492-7753 (sales) or 305-857-0420 (fax)

P•INK SQL 2.0
DAL database server RDBMS
Macintosh Plus or larger.

P•INK SQL is a relational database management system based on the client/server principle. The DataServer runs on Macintosh, Unix or Windows platforms. P•INK SQL offers a database management toolbox and a high-performance data processing engine that developers can put behind their user interfaces. It administers the storage, organization, retrieval, analysis, modification and the reciprocal sharing of data — all within a relational framework. P•INK SQL complies with the ANSI/ISO SQL standard. It is also 100 percent compatible with Apple's DAL (Data Access Language) standard, meaning that any applications written for a DAL server can be linked to the P•INK SQL RDBMS.
2,975 DM retail; one to five sessions
3,550 DM retail; 10 sessions incrementer
8,500 DM retail; 25 sessions incrementer
16,250 DM retail; 50 sessions incrementer
28,500 DM retail; 100 sessions incrementer
295 DM retail; demo version (includes full documentation)
P•Ink Software Engineering GmbH & Co.; Rothenbaumchaussee 5; 20148 Hamburg, Germany; 040-41-17-09-0 or 040-41-17-09-10 (fax)

Retriever II
Flat-file database
Macintosh Plus or larger; System 6.0.2 or later.

Retriever II is a completely rewritten successor to Exodus Software's flat-file database product, Retriever. Retriever II retains the ease of use of its predecessor, while incorporating powerful new features, including calculated and numeric fields, phone dialing and multi-level sorting, as well as the same easy-to-use icon-based interface. Retriever II has been designed to easily store, search and sort databases up to 16,000 records. It does not keep the entire file in memory, which makes it ideal for providing access to larger data files without typing up large amounts of available memory. Retriever II includes a powerful and flexible import and export capability. Files can be merged, even when the files contain a different number of files or the data is not arranged in the same order. Fields can also be merged, creating a single field from up to four original fields. Retriever II comes as both an application and desk accessory.
$49.95 (direct) retail
Exodus Software; 800 Compton Rd., Ste. 9240; Cincinnati, OH 45231; 513-522-0011

Super QuickDex
Free-form database desk accessory
Macintosh 512K or larger.

Super QuickDex is a four-utility package. QuickDex is a desktop accessory that allows quick location of any word, number, phrase or sentence on as many as eight card decks in memory at the same time. It automatically finds a phone number anywhere on the card that eliminates selecting specific fields before entering a phone number. The product supports modem and speaker autodialing and includes an area and Zip code database. PrintDex is a printing utility program that allows users to print either an entire card deck or new cards only. This utility includes predefined options for printing on a variety of standard card stock forms or users can select a custom form size. QuickElope is a fast, single envelope or label printing DA. HotDex with HotElope is a single INIT that can bring up utilities with single, user-defined keystrokes.
$89.95 retail
Casady & Greene, Inc.; 22734 Portola Dr.; Salinas, CA 93908; 408-484-9228, 800-359-4920 or 408-484-9218 (fax)

U.S. Map Templates For Filevision IV
State maps to the county level
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; Filevision IV.

The U.S. Map Templates consist of all 50 states to the county level (every county is a separate object within the state) plus a few cities for reference. A combined U.S. map and tutorial is also included that provides examples for demographic and thematic development of these maps. The Map Templates are supplied on two 800K disks and the package includes a 12-page user manual.
$99 retail
TSP Software; 4790 Irvine Blvd., Ste. 105-294; Irvine, CA 92720; 714-731-1368 or 714-832-8568 (fax)

Decision Support Software

Beyond Breakeven
Break-even profitability and margin analysis
Macintosh Plus or larger; Excel.

Beyond Breakeven allows users to determine break-even costs of a company, break-even price of a product, break-even units or other break-even analyses. As volume changes, so does the break-even, but with Beyond Breakeven, users will know where they are and what they need. To make interpretation easy, results can be viewed graphically. The program is easy to use and provides a valuable service. It is important when embarking on a project or venture of any financial nature that a break-even analysis be conducted. This model allows users to perform this analysis and identify strengths and weaknesses by providing multiple side-by-side what-if analysis. Solution and scenario modeling help to automate the extensive what-if process.
$289 retail
Spreadware; PO Box 4552; Palm Desert, CA 92261; 619-347-2365 or 619-347-6045 (fax)

BusinessObjects
Information access, analysis and reporting solution
Macintosh Plus or larger; 4 MB of RAM; 2 MB of free disk space.

BusinessObjects is the business-intelligent information access, analysis and reporting solution. It uniquely presents data to end users based on how they naturally think and work, using familiar business terms. This gives end users the autonomy they need to easily query, analyze and report on corporate data, eliminating the need for end users to struggle with the technical details of database structures or having to learn SQL. BusinessObjects also gives MIS departments the centralized capabilities they require to efficiently manage the data being accessed by end users. Using a central repository, BusinessObjects lets database administrators manage user access to data and administer resource utilization by preventing runaway queries.
$595 retail
Business Objects, Inc.; 20813 Stevens Creek Blvd., Ste. 100; Cupertino, CA 95014; 408-973-9300, 800-705-1515 or 408-973-1057 (fax)

The CEO's Strategic Planner
Financial decision support system for strategic planning
Macintosh Plus or larger; Microsoft Excel or equivalent spreadsheet; printer recommended.

The CEO's Strategic Planner allows the CEO of a company to do a total simulation of his or her company from a multidimensional perspective, including financial aspects, cash flow, profitability, human resource planning, detailed budget planning, product forecasting, new product development, manpower planning and facilities management planning and growth. Numerous variables are taken into account easily and automatically based on key assumptions of the CEO and his or her management team. Strategic aggressiveness levels in marketing and innovation can be matched with future industry turbulence and dynamics, as organizational capability is developed to match marketing and innovation requirements for optimal success. The system includes three advanced financial simulation models: CEO PRo that uses up to six years of historical performance to generate a five-year forecast of the income statement, balance sheet, two cash flow statements, seven business valuation analyses and an advanced financial analysis statement that includes seven key performance measures, manpower and space planning, growth potential analysis and venture capital analysis; CEOMOD allows a five-year simulation of the enterprise using about 245 potential variables; and CEOMIC is a twenty-four month short-term planning and simulation model that allows the CEO to obtain a microcosmos or microcrystal perception of the business enterprise. In addition, the system includes twenty other general interest model's and financial analysis programs with documentation.
$1,500 suggested retail (special: $995)
ILAR Systems, Inc.; 334 Baywood Dr.; Newport Beach, CA 92660; 714-759-8987, 714-640-2985, 800-777-4920, 714-720-1530 (fax) or 714-640-7233 (fax)

ClearReports
Graphical report generator
Macintosh Plus or larger; 2 MB of RAM; System 6.2 or later.

ClearReports is a sophisticated, graphical report generator. It supports drag and drop placement of report cells and text. It supports sophisticated arithmetical calculations, such as totals and subtotals, cross tab, etc. When used in conjunction with ClearAccess, it can query databases and automatically import data into predefined templates or in an ad hoc manner.

These Products Available Through Bottom Line Distribution
1-800-347-1923

$200 retail
ClearAccess Corp.; 200 W. Lowe; Fairfield, IA 52556; 515-472-7077, 800-522-4252 or 515-472-7198 (fax)

Commander EIS
Client/server software for managerial applications
Host components run on IBM VM/CMS and MVS/TSO and on DEC VAX/VMS; workstation components run on Macintosh Plus or larger, Windows and OS/2.

Commander EIS delivers critical business data to managerial end users' personal computers in enterprise-wide applications. It features easy, intuitive access to Electronic Briefing Book, news and competitive information; "smart reporting" of defined exceptions; improves management productivity with mission-critical applications like profitability reporting, critical success factor reporting and total quality reporting; and dynamic data links to SQL databases and other data sources, including DB2, SQL/DS, and other popular DBMS. Builder tools offer point-and-click mode and expert mode for maximum productivity with ease of use. Command EIS supports Macintosh, Windows and LAN-based data reshaping facilities to transform raw data into usable information for managers; and provides application management facilities so IS can support growing user populations effectively in distributed client/server environment. Security is provided at all levels.
$1,500 per desktop retail
Comshare, Inc.; 3001 S. State St.; Ann Arbor, MI 48108; 313-994-4800, 800-922-7979, 800-541-1780 (in Canada) or 313-769-6943 (fax)

CrossTarget
Cross-platform, cross-departmental and cross-functional managerial support solution
Macintosh Plus or larger; 2 MB of RAM.

CrossTarget is a family of multidimensional analysis and reporting tools designed to provide executives and managers with the decision-making information needed to monitor current operations, review past and present performance, as well as effectively plan and forecast product/service profitability. CrossTarget is easy to set up and maintain on existing platforms, giving end users direct access to large amounts of information without relying on costly MIS resources. The program is comprised of several tools that may be purchased together or separately. Data Integrator accepts data from any database or application and joins it so that Builder can transform it into a model. Builder dynamically compresses, indexes and stores the data into a unique structure that allows fast access and graphic manipulation with minimal setup. Diver provides user-friendly pull-down menus, automatically creating graphic and tabular formats, multidimensional views and dive-down capability to any level of detail with the point and click of a mouse. The Reporter generates electronic reports with "live" access to data. The Selector provides real-time access to SQL databases from a CrossTarget application.
$1,000 average per seat retail
Dimensional Insight, Inc.; 111 S. Bedford St.; Burlington, MA 01803; 617-229-9111 or 617-229-9113 (fax)

Crystal Ball 3.0
Forecasting and risk management
Macintosh Plus or larger; 4 MB of RAM recommended; System 6.0.5 or later; Excel 4.0 or later.

Crystal Ball is a forecasting and risk management package that combines the decision making benefits of simulation with a familiar spreadsheet interface. Through Monte Carlo (and/or Latin Hypercube) simulation, the program forecasts all the possible results for a given situation. Its graphic interface gives users an intuitive feel for the decision at hand and, by requesting a "confidence level," users can determine the likelihood of any specific event. Crystal Ball seamlessly interfaces with Excel. Users' existing spreadsheets are often usable without change. Additional features include descriptive statistics on any forecast, sensitivity analysis of a model with respect to various assumptions, trend charting, correlated variable assignments, reporting capability and transfer of information to other applications.
$295 retail
Decisioneering, Inc.; 1600 Stout St., Ste. 700; Denver, CO 80202; 303-292-2291, 800-289-2550 or 303-534-2118 (fax)

DataSmarts
Power tool for database mining
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.

DataSmarts is a solution for turning scientific, engineering and business data into insights, decisions and competitive advantage. Based on AI technologies, such as neural networks, machine learning and expert systems, it is designed to unleash their power to forecast trends, diagnose conditions, process signals and classify and recognize patterns, quickly and easily. DataSmarts provides powerful and sophisticated features transparently to users, such as database/spreadsheet access with common file formats, exploratory analysis, profiling and reporting of variable contributions, preprocessing with more than 20 functions to improve predictions beyond the ability of conventional statistical programs. DataSmarts gives business and technical users intuitive understanding of their data and practical guidance to decisions in a wide variety of database analysis tasks using built-in, just-in-time knowledge and expertise.
$495 retail
Cognition Technology Corp.; 1000 Massachusetts Ave.; Cambridge, MA 02138; 617-492-0246 or 617-492-0247 (fax)

Decision Analysis By TreeAge (DATA) 2.5
Decision analysis (Bayesian)
Macintosh Plus or larger.

DATA enables a user to implement the techniques of decision analysis as taught in the nation's leading universities, with a level of speed and efficiency never before possible. By offering far more than computational ability, DATA supports decision makers who must deal with uncertainty and complexity. For example, DATA is used by engineers to assess risk, by economists to explore the consequences of competing policies, by product managers to ascertain the potential value of market research, etc. DATA furnishes a decision maker with an effective tool for dealing with these problems through a structured methodology that first puts the uncertainties into perspective and then takes them into account in the decision making process. The possible chains of events (decisions, chance events and final outcomes) are identified in a tree structure that clearly specifies the sequence of events. DATA then calculates the value of each possible chain of events, giving appropriate weight to each possible outcome. With this information graphically displayed, a decision maker can evaluate each intermediate point on the decision tree and identify the sequence that will maximize value or minimize costs, depending on the objective. Finally, a decision maker can call on DATA to perform sophisticated sensitivity and risk analyses to assure that the best possible decision is being made. DATA is 32-bit clean and System 7 savvy. It supports Apple Events, including Publish & Subscribe, Balloon Help and TrueType fonts.
$379 retail; 50% academic discount
$15 retail; limited-life evaluation copy and documentation
TreeAge Software, Inc.; PO Box 329; Boston, MA 02199; 617-536-2128, 800-254-1911 or 617-576-1332 (fax)
FAX©NDEMAND 1-800-872-3293 **120**

Decision Analysis Techniques
Major techniques for decision analysis including decision trees and tables, analytical hierarchy technique, the Electre technique, Bayesian probability
Macintosh 512K or larger.

Decision Analysis Techniques covers modern techniques developed to aid in the process of decision making. Techniques described include: the assistance of samples and experiments, the use of modeling and simulation, goal programming and mathematical programming, decisions under uncertainty and risk (involving the use of utility analysis and Bayesian probability theory), decision tables and decision trees, group decision making and the Electre technique, which allows a balancing of concordance and discordance in the subjective or objective evaluation of people or situations. Although the techniques themselves are easy to use, the ideas and procedures are highly sophisticated and involve the "next level" of statistical assistance to decision making.
$145 retail
Lionheart Press, Inc.; PO Box 20756; Mesa, AZ 85277; 602-396-0899, 514-526-7877 or 602-396-0932 (fax)

Decision Analysis With Supertree
Decision analysis
Macintosh Plus, SE or larger; 1 MB of RAM.

Decision Analysis With Supertree presents decision analysis through applications, with a focus on making business decisions. The authors are decision consultants at Strategic Decision Group (SDG), a leading management consulting firm specializing in the application of decision analysis to corporate, R&D and manufacturing strategy. The second edition includes new material on formulating problems using influence diagrams and a more thorough and gradual introduction to the probability theory underlying decision analysis. The software component of the package has been upgraded to provide additional computing capability and now includes Sensitivity, a program that automates the sensitivity analysis of both spreadsheet variables and the Supertree decision tree analysis program.
$59.50 retail
boyd & fraser publishing company; One Corporate Pl.; Ferncroft Village; Danvers, MA 01923; 508-777-9069, 800-225-3782 or 508-777-9068 (fax)

Decision Master
Helps with the decision-making progress
Macintosh Plus or larger.

Decisions are almost never easy. Decision Master helps with the decision-making process by providing a simple and effective methodology for making decisions. Users use Decision Master to define decision-making criteria, weigh alternatives and determine the optimum solution. Flexibility is built in to provide for "hard facts" and intuition. Decision Master comes with sample decisions, including "Choosing the best car to buy" and "Deciding on a home loan."
$49.95 retail
Mastermind Software; 153 Lowell St.; Redwood City, CA 94062; 415-366-4114

■ **DecisionMaker**
Enables users to make smart business decisions
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later.

DecisionMaker is an expert way to make smart business decisions using a computer. In just minutes users can examine even the most complex choices confronting their business and determine the best course of action. DecisionMaker guides users step by step through the entire decision-making process with buttons, menus and dialogs. Slider controls let users quickly change expected probability, so it is easy to look at any number of what-if scenarios. Users can click a button to tailor the analysis to their own "risk attitude." Results can be displayed on screen or users can print out charts to graphically illustrate the best option for their business. The intuitive interface makes it easy to apply powerful analytical techniques to almost any type of strategic or tactical problem. The program employs the same sophisticated decision analysis methods taught in leading business schools and used in hundreds of corporations.
$149.95 retail
Palo Alto Software; 144 E. 14th Ave.; Eugene, OR 97401; 503-683-6162, 800-229-7526 or 503-683-6250 (fax)

DeskSmarts Professional
Helpdesk development tool
Macintosh with 2 MB of RAM; hard disk drive.

DeskSmarts Professional provides full hypertext, database access and computational power for developing expert advisors ("smart partners") to diagnose, trouble-shoot, design, dispense and interpret complex information quickly and efficiently using its point-and-click interface. Using DeskSmarts Professional, users can re-engineer the workflow in their business, and improve the quality and speed of problem resolution in customer support, technical support or helpdesk environments to save both time and money—1,000 percent return on investment is typical. Easy to use but powerful, DeskSmarts Professional can use pictures, drawings, schematics and text to quickly guide users through problem identification and resolution for a wide range of situations, from equipment failure to

procedural processing snafus. It is designed to reduce training time, improve consistency of response and reduce maintenance costs. Typical advisory systems focus on strategic planning, logistics, product design manufacture, equipment repair and maintenance. Current applications are deployed in industries such as manufacturing, banking, communications, transportation, insurance and professionals such as law, medicine, architecture, as well as government agencies and educational institutions.
$995 retail
Cognition Technology Corp.; 1000 Massachusetts Ave.; Cambridge, MA 02138; 617-492-0246 or 617-492-0247 (fax)

EISToolKit 2.11
Executive information system design tool
Macintosh II, Quadra or PowerBook 170; 5 MB of RAM; hard disk drive; System 7.0 or later.

EISToolKit is a development tool for building cross-platform, Client/Server Executive Information System (EIS) and Decision Support System (DSS) applications for the Macintosh, Windows and Sun OpenLook and Motif environments. All three EISToolKit platforms include GUI, presentation graphics, database connectivity and spreadsheet modeling tools, in addition to a full-featured spreadsheet for data analysis, and a powerful 4GL for detailed project customization. EISToolKit's point-and-click SQL generator provides access to more than 50 relational and non-relational databases. EISToolKit's major features include graphical tools for the creation of custom layouts, controls, graphs and links between layouts; an EIS/DSS Function Library, which contains more than 100 pre-built functions customized for application development; MicroStrategy's UltraSQL SQL language extensions, which allow designers to insert variables and arrays into the SQL code, which at query runtime, are converted to standard SQL; and EISToolKit's powerful "drill-down" capability, which allows the development of extremely flexible data browsing schemes to generate successively more specific and more detailed data queries.
$1,995 retail; Designer Version
$7,995 retail; User Version 10-Pack
MicroStrategy, Inc.; One Christina Centre, Ste. 1002; Wilmington, DE 19801; 302-427-8800, 800-927-1868 or 302-427-8810 (fax)

Evolver
Problem-solving utility that uses an artificial-life based genetic algorithm to perform what-if analysis
Macintosh Plus or larger; Microsoft Excel.

Evolver is an optimization utility that uses a genetic algorithm to focus the search for solutions. Once installed, Evolver is available from within any spreadsheet. Users simply tell Evolver which cells it can adjust, which cells it should optimize and what constraints are imposed. Evolver displays its real-time progress in a graph window and can run in the background. The user interface is written in an advanced macro language, allowing advanced users to customize Evolver. Evolver can optimize any function, including linear, non-linear, stochastic or table-based, and can solve virtually any problem that can be modeled in Excel.
$349 retail; site licenses available
Axcelis, Inc.; 4668 Eastern Ave. N; Seattle, WA 98103; 206-632-0885

Extend 3.0
Simulation and modeling
Macintosh Plus or larger; hard disk drive.

Extend uses a block diagram approach to create simulation models for virtually any process. By connecting blocks together, users can explore ideas and try out concepts on the computer, before committing valuable time and resources. Extend can be used to validate theories, diagnose potential problems or find best performance/cost ratios. Extend combines the ease of use of an iconic modeling system with the power of a built-in authoring environment. Libraries of blocks are included so users can create models of the performance of almost anything without programming. For customized effects, blocks can be modified or created using Extend's scripting language. Extend supports both continuous and discrete event modeling and full connectivity with the outside world (spreadsheets, databases, I/O boards, etc.).
$695 retail
Imagine That, Inc.; 6830 Via Del Oro, Ste. 230; San Jose, CA 95119; 408-365-0305 or 408-629-1251 (fax)

Extend+BPR 3.0
Provides an easy-to-use method to test assumptions about business process changes before they are implemented
Macintosh Plus or larger; 4 MB of RAM; hard disk drive.

Users can transform ordinary process flow charts into Extend+BPR (Business Process Reengineering) models for detailed analysis and experimentation through simulation. They can apply systems analysis techniques to TQM and process improvement efforts to assist in the reengineering of their business processes. Extend+BPR can be used for planning and decision support, modeling organizational change, operations and production systems, cycle time reduction, continuous improvement, human performance modeling, activity-based costing, productivity and quality improvement. With Extend+BPR, users can successfully combine measurement-oriented processes with a human centered approach to achieve both high productivity and morale. Users can create a team of personnel charged with implementing change for higher quality, improved customer service, shorter lead times and reduced costs. Extend+BPR combines the powerful Extend package with an additional library of blocks, numerous examples on disk and a supplemental manual.
$990 retail
Imagine That, Inc.; 6830 Via Del Oro, Ste. 230; San Jose, CA 95119; 408-365-0305 or 408-629-1251 (fax)

Extend+Manufacturing 3.0
Used for modeling complex discrete event processes
Macintosh Plus or larger; 4 MB of RAM; hard disk drive.

Extend+Manufacturing solves dilemmas on the computer screen rather than on the manufacturing floor. By combining Extend with an additional library of blocks, users can graphically simulate and validate ideas to resolve questions and assist in the decision making process. Extend+Manufacturing utilizes a block diagram approach for discrete event model building for continuous improvement, operations research, industrial engineering, transportation and manufacturing analysis. It can assist in the prediction of system bottlenecks, determination of buffer lengths, build times and process timing so costs can be justified before resources are committed, options can be analyzed and operating procedures documents. The supplemental manual that comes with Extend+Manufacturing contains extensive operations research and queuing examples. The Manufacturing library provides greater flexibility in the creation of discrete event models and has blocks optimized for simulating discrete manufacturing processes.
$990 retail
Imagine That, Inc.; 6830 Via Del Oro, Ste. 230; San Jose, CA 95119; 408-365-0305 or 408-629-1251 (fax)

Forecasting And Time-Series
Time series analysis and forecasting techniques covering smoothing techniques, regressive and autoregressive models and Box-Jenkins models
Macintosh 512K or larger.

Forecasting and Time-Series covers the general methods of analysis of time-series and the forecasting techniques based on those methods. All types of time series are considered, such as those with trends, seasonality and periodicity, autoregressive, etc. Examples of time series used range from stock prices and a utilities index to population series. Elaborate data entry and transformation facilities are provided. Time-series analysis covers the study of periodicity, correlation and cross-correlation, autoregression and Fast Fourier Transforms. Forecasting techniques range from simple methods, such as moving average smoothing and exponential smoothing, through autoregression and regression models, to Box-Jenkins techniques.
$145 retail
$200 retail; with Sales and Market Forecasting
Lionheart Press, Inc.; PO Box 20756; Mesa, AZ 85277; 602-396-0899, 514-526-7877 or 602-396-0932 (fax)

IdeaFisher 2.0
Brainstorming software
Macintosh Plus or larger; 1 MB of RAM; 7 MB of hard disk space.

IdeaFisher is a productivity tool designed to turn a user's computer into a sophisticated brainstorming and problem-solving partner. The powerful IdeaFisher's brainstorming system can be used to develop marketing, advertising and promotional campaigns. It can be used to solve problems and make meetings more productive. Users can create new products and name them. This interactive idea tool starts the brainstorming process by asking a series of questions about the problem a user is facing. Along the way, it triggers a user's brain to break out of its habitual rut and think about the problem in new and innovative ways. Later, when a user is ready to put their plan into action, it has another set of questions designed to stimulate new thoughts about implementing a user's ideas. IdeaFisher contains 705,000 idea associations and nearly 6,000 thought-provoking questions.

By adding the Strategic Planning Module to IdeaFisher, users start thinking creatively about where their company will be in five years. This module will help users understand their company's purposes, market and customers. It will then lead users toward developing a comprehensive plan for meeting the challenges they will face in the future.

The Speech and Presentation Module systematically guides users through the planning and creative stages of preparing a speech or presentation. By structuring creative efforts, users can be more confident when they deliver their message and be more certain that they have gotten the message across effectively.

The New Business and Grant Proposals Module guides users in creating proposals for service contracts, research projects, government grants and memorandums to business peers. It helps users identify important issues, maintain focus and plan creatively.
$199 retail
$99 retail; Strategic Planning Module
$79 retail; Speech and Presentation Module
$99 retail; New Business and Grant Proposal Module
IdeaFisher Systems, Inc.; 2222 Martin St., #110; Irvine, CA 92715; 714-474-8111, 800-289-4332 or 714-757-2896 (fax)

ithink 3.0 And ithink Authoring Version
Visual thinking tool for business process analysis to improve performance
Macintosh SE or larger; 4 MB of RAM recommended; hard disk drive; System 6.0.4 or later.

ithink is a powerful and flexible package for building and simulating business and organizational processes. The software, which includes extensive conceptual and technical documentation, has emerged as a key tool for addressing business issues of all types, ranging from strategic planning to business process re-engineering. Using a simple set of building block icons, users can construct a map of a process and how it works. The diagram automatically generates equations, used for simulation, allowing users to bring the map "to life." Output can be viewed as graphs, tables, diagram animation or QuickTime movies. Multirun sensitivity analyses allow users to perform a variety of what-if analyses as they explore different scenarios process improvement strategies. ithink supports QuickTime and Publish & Subscribe.

The Authoring Version of ithink allows users to create full-fledged multimedia Management Flight Simulators with which users can interact without needing to be familiar with underlying model detail.
$695 retail
$949 retail; Authoring Version
Academic discounts available
High Performance Systems, Inc.; 45 Lyme Rd., Ste. 300; Hanover, NH 03755; 603-643-9636, 800-332-1202 or 603-643-9502 (fax)

Mahogany HelpDesk 2.2
Helpdesk application development and deployment tool
Macintosh Plus or larger.

Mahogany HelpDesk is a software tool that can improve the quality and speed of problem resolution in customer support, technical support and helpdesk environments. It is a user-friendly, knowledge-based software tool that uses pictures, drawings, schematics and text to quickly guide representatives through

These Products Available Through Bottom Line Distribution
1-800-347-1923

problem analysis and resolution. It can speed resolution of calls ranging from product and equipment problems to procedural processing difficulties. Other benefits include reduced training time, improved consistency of response and reduced operating costs. Powerful communication protocols allow Mahogany HelpDesk to connect with popular call tracking systems running in Windows 3.0 or Macintosh.
$6,800 retail; introductory price
Emerald Intelligence, Inc.; 3915-A1 Research Park Dr.; Ann Arbor, MI 48108; 313-663-8757 or 313-663-5284 (fax)

Micro Saint & ActionView For The Macintosh
Network simulation modeling system
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; large monitor recommended.

Micro Saint is a discrete event network simulation modeling system that represents a bold new direction in simulation technology. Simulation is being used to provide answers to problems in a variety of application areas, including manufacturing, health care, government, retail, human factors and others. The problems being analyzed range from process control and resource utilization to paper flow and human performance. If users can represent a system or activity with a flow diagram on paper, they can build a computer model of the system with Micro Saint. Micro Saint's intuitive graphical interface allows even the most complex simulations to be built quickly and easily. With ActionView, users can create a dynamic graphical representation of their models. ActionView provides a library of icons that can be animated to create a realistic picture of the model as it executes.
$3,995 retail; Micro Saint
$5,995 retail; with ActionView
Micro Analysis & Design Simulation Software Inc.; 4900 Pearl East Cir., Ste. 201E; Boulder, CO 80301; 303-442-6947 or 303-442-8274 (fax)

MindLink
Idea generation and problem solving
Macintosh Plus or larger.

MindLink provides users with a powerful set of industry-tested tools for generating new ideas and applying new solutions to problems. It offers a proven problem solving format designed to develop those ideas into workable solutions to the original problem. The idea generation techniques feed automatically into the problem solving format, keeping a user automatically on track to solutions.
$299 retail
MindLink; Box 247; North Pomfret, VT 05053; 802-457-2025 or 800-253-1844

Muse
Self-contained system for publishing and analyzing data
Macintosh Classic II or larger; 5 MB of RAM; hard disk drive; System 6.0.5 or later.

Muse makes using data stored in relational databases easier than ever before. Muse automates the complete process that people naturally use to turn raw data into actionable information. Muse offers end users a compelling combination of ease-of-use and power: quickly and easily select data with point-and click graphical Query Builder tool; view, analyze and manipulate data in a WorkBook, a multidimensional relational table that's as straightforward as a spreadsheet but has the power of a relational database; visualize data in fully-labeled and scaled charts with a single click of the mouse; drag-and-drop chart data to rearrange the way it's displayed in numerous 2-D, 3-D and animated chart styles; and publish formulas, groups, synonyms and English-like data retrieval commands in a NoteBook for further customization and flexibility. Muse is an ideal information publishing vehicle that provides a sophisticated, yet affordable personal computer "information warehouse." It contains both a relational database and an integrated data dictionary with an extensive set of pre-defined functions and operator, as well as the means to store data-specific terms, descriptions, definitions and formulas. It is an ideal tool for financial analysts, product and marketing managers, scientists, researchers and anyone else challenged with analyzing data. It is also available for Windows.
$695 retail
Occam Research Corp.; 245 Winter St.; Waltham, MA 02154; 617-684-0414 or 617-684-8220 (fax)

PowerPlay For The Macintosh
Executive information system
Macintosh Plus or larger; System 6.0.4 or later.

PowerPlay for the Macintosh is designed to deliver corporate business performance to the desktop. PowerPlay replaces paper for distributing daily, weekly or monthly performance reporting to management. PowerPlay is a Desktop EIS (Executive Information System) for the entire management team, not just the few at the top. Traditional EIS are complex, costly and difficult to maintain. PowerPlay provides a highly graphical view of a business and gives users the full freedom to explore it. Users have maximum flexibility to explore with the minimum learning time. Users can drill-down to underlying details, switch graphic displays to show the clearest picture of the trends and slice and dice the business information by dimension (years, locations, products or channels, for example). All three simple techniques act together to refine the trend and uncover the real business issue.
$695 retail
Cognos Inc.; 3755 Riverside Dr.; Ottawa, Ontario, Canada K1G 3Z4; 613-738-1440 or 613-738-0002 (fax)

ReMind
Case-based reasoning tool for building decision support applications
Macintosh Classic or larger; 4 to 8 MB of RAM; System 6.0.5 or later.

ReMind is a case-based reasoning tool. Case-based reasoning is the revolutionary technology that lets users build directly upon the knowledge contained in experience. The ability to recall, understand and analyze prior experience can help decision-makers avoid past mistakes, replicate previous successes, learn from present conditions by comparing them to the past and anticipate the future based on knowledge of the past. The power in ReMind comes from its ability to represent complex case structures, (a user's experiences) and automatically index them using inductive machine learning techniques. This process radically reduces knowledge engineering time (by as much as 60 to 70 percent), the major cost in building and maintaining expert systems. The functionality in ReMind is provided by editors that enable the developer to perform six functions: Case Representation, Case Input, Case Indexing, Case Retrieval/ Explanation, Case Adaptation and Interface Customization.
$3,000 retail; Development System
$2,000 retail; C Function Library
Evaluation copies are available
Cognitive Systems, Inc.; 880 Canal St.; Stanford, CT 06902; 203-356-7756 or 203-356-7760 (fax)

Sales And Market Forecasting
How to develop a company time-series and relate it to more general economic time-series; how to make a forecast and how to handle a forecast once made
Macintosh 512K or larger.

Sales and Market Forecasting builds on the material covered in Forecasting and Time-Series and attacks the very practical problem of how to make a forecast and what to do with the forecast once it is made. The starting point is the preparation of a demand analysis and the generation of a company time-series. The various factors that might appear in a company time-series (trends, seasonality, etc.) are examined in detail and examples are given of the appropriate forecasting techniques. The problem of relating the company time-series to more general business and economic time-series is covered, as is the development of the forecast itself. The preparation of a market audit from the various materials generated during the forecasting process is also included. Sources of information about business data are provided, as is an extensive database of about 50 yearly and monthly time-series obtained from the U.S. Department of Commerce publications. Numerous examples are provided.
$145 retail; program
$200 retail; with Forecasting and Time-Series
Lionheart Press, Inc.; PO Box 20756; Mesa, AZ 85277; 602-396-0899, 514-526-7877 or 602-396-0932 (fax)

StarTrieve
Innovative tool for accessing and analyzing relational data
Macintosh Plus or larger; 4 MB of RAM; System 6.0.5 or later.

StarTrieve is a powerful tool for retrieving and analyzing data. Focused on the end user, StarTrieve dramatically lowers the technical barrier to working with a relational database. With its intelligent query generator, StarTrieve leaves users free to concentrate on analysis rather than on the mechanics of data extraction. StarTrieve allows users to easily generate multidimensional reports and then drill down to underlying detail. The StarTrieve user environment is maintained by the StarTrieve Administrator. The StarTrieve Administrator offers IS professionals the ability to centrally coordinate and control database access. StarTrieve supports Oracle's SQL*Net, Sybase's Open Client, Apple's Data Access Language and EDA/SQL from Information Builders.
$1,000 retail
SelectStar Inc.; 240 W. 23rd St., Ste. 3A; New York, NY 10011; 212-243-8413 or 212-627-9784 (fax)

Synchronicity 3.0
Intuitive decision making; entertainment, relaxation, stress management
Macintosh Plus or larger; hard disk drive or external disk drive.

Synchronicity is a unique and aesthetically graphical system for managing chaos, based on timeless principles of the Book of Changes, or I Ching, and Jungian psychology. It supports intuitive decision making and better relationships, while reducing stress and worry. Synchronicity is a constructive way to take a time-out in the middle of confusing situations that is entertaining, relaxing and helpful.
$59.95 retail
Visionary Software, Inc.; 1820 SW Vermont, Ste. A; Portland, OR 97219; 503-246-6200, 800-877-1832 or 503-452-1198 (fax)

TQM ToolKit
Provides assistance to those assigned the task of documentation and implementation of the quality process
Macintosh Plus or larger; hard disk drive recommended; System 6.0.7 or later.

Users can quickly bring their organization up to speed in the Quality Improvement Process with TQM ToolKit — tools to expedite the quality effort. TQM ToolKit contains the following components: TopDown Flowcharter software; flowcharting examples; a practical TQM implementation guide; templates; and custom charting symbols for TQM. TQM ToolKit provides assistance to those assigned the task of documentation and implementation of the quality process. TQM ToolKit helps instruct employees and managers how to review and document processes, as well as provide guidance to those individuals actually charting the workflow. The TQM Practical Implementation Guide describes process documentation in a step-by-step manner and includes example TQM charts created using TopDown Flowcharter. The guide tells users how and when to use TopDown in documenting their processes.
$399 retail
Kaetron Software Corp.; 25211 Grogans Mill Rd., Ste. 260; The Woodlands, TX 77380; 713-298-1500, 800-938-8900 (sales) or 713-298-2520 (fax)

@RISK
Risk analysis and simulation
Macintosh SE/30 or larger; 2 MB of RAM; hard disk drive; Microsoft Excel 3.0 or later; or Microsoft Project 3.0 or later.

@RISK is a Microsoft Excel or Project add-in for risk analysis. Any worksheet built in Excel can be used with @RISK. The software uses Monte Carlo simulation to analyze uncertainty. Probability distributions are added to cells in the worksheet using 30 new probability distribution built-in functions, including normal, lognormal, beta, uniform and triangular. Simulations are controlled from an Excel-style menu that lets users choose Monte Carlo or Latin Hypercube sampling, select output ranges and start simulating. Results are displayed graphically and detailed statistics reports are generated. The probability distribution built-in functions can be used anywhere in a worksheet,

either alone in a cell or as part of other expressions, and their parameters can be references to other cells. Dependencies can be specified. The seed of the random number generator can be specified. High-resolution graphics enhance manipulation of output results. Simulations can be paused and restarted.
$395 retail; @RISK for Excel
Free demo disk available
Palisade Corp.; 31 Decker Rd.; Newfield, NY 14867; 607-277-8000, 800-432-7475 or 607-277-8001 (fax)

Desktop Communications/ Electronic Mail

1stBBS-II
Bulletin Board system with remote database access
Macintosh Plus or larger; 1 MB of RAM.
1stBBS-II provides a powerful data communications system, linking together Macintoshes and DOS machines that have modems or are connected to an AppleTalk network. Remote users would have the ability to access databases, transfer files and E-mail capability. 1stBBS-II would prove invaluable for companies with branches in many different cities. All remote users would have the ability to access databases, such as a customer address list, price list, inventory, etc., and to send private E-mail messages with files attached. Registered owners of 1stBBS-II are licensed to make an unlimited number of copies of the Mac or DOS version of the remote modules. The program is designed to minimize online time and expense by allowing users to perform many of their tasks while offline. The host module is password protected and maintains an activity log. 1stBBS-II is AppleTalk and System 6/7 compatible. Modem speeds up to 38,400 bps and V.32 and V.42bis are supported.
$129 retail
1stDESK Systems, Inc.; 55-57 Cape Rd.; Mendon, MA 01756; 800-522-2286 or 508-634-0882 (fax)

AlisaMail 4.2
VAX-based electronic mail system
Macintosh Plus or larger.
AlisaMail is an easy-to-use enterprise electronic mail and corporate directory service integration system designed for demanding messaging environments that require support for standard and proprietary mail protocols. Based on Sybase relational database, its distributed architecture and comprehensive directory service make electronic message integration more reliable and simple to administer in a large E-mail environment. AlisaMail fully integrates a broad base of PC, Macintosh, Unix and DEC VAX E-mail systems. By allowing various hardware and software platforms to seamlessly and transparently exchange electronic messages, fully editable documents and binary files, AlisaMail integrates corporate E-mail with Microsoft Mail, Lotus cc:Mail, CE Software QuickMail, WordPerfect Office, X.400, SMTP and Digital's VMSmail, ALL-In-1 and Message Router (with access to PROFS, SNADS, PMDF, etc.) mail systems. AlisaMail's OpenDirectory eliminates complicated addressing schemes by maintaining a common address book that propagated to each mail system. This standardized addressing allows users to simply point and click to send messages and attachments between Microsoft Mail, cc:Mail, QuickMail, MHS, VMSmail and other enterprise mail users. OpenDirectory lists all E-mail users on the network and clearly indicates how to reach them. The directory information contains much more than just the user name and address; it adds document translation preferences, fax and phone numbers, postal address, role, organization, location, notes and photographs, if desired. OpenDirectory information can be accessed from PeopleFinder and non-mail applications, such as Microsoft Word for Windows, Excel, Access and Visual Basic. OpenDirectory can be integrated with corporate databases.
$10,000 retail; starting price (site license available)
Alisa Systems, Inc.; 221 E. Walnut St., Ste. 175; Pasadena, CA 91101; 818-792-9474 or 818-792-4068 (fax)

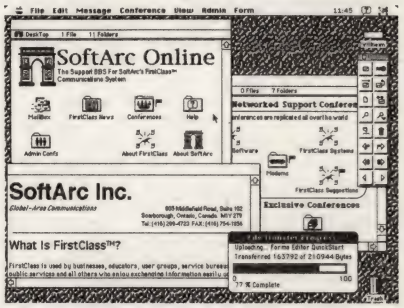
BlitzMail
Enterprise-wide electronic mail system
Macintosh Plus or larger; System 6.0, 7.0 or 7.1.
BlitzMail is an electronic mail system that supports large organizations with tens of thousand of mailboxes. Its Macintosh client communicates with a distributed message server that holds all mail messages. In addition, BlitzMail interoperates with other E-mail systems through its built-in SMTP gateway. Messages may be addressed simply by typing a person's name — the BlitzMail Server relies on the DND, a name and authentication server, to find a unique match (or indicate that multiple names match the entry). The DND also contains a person's "preferred E-mail address," which may be a Macintosh, a host-computer account or a mail stop, in which case the message is printed to be sent as paper mail.
$3,000 retail; 100-user license
$15,000 retail; unlimited-user site license
$500 retail; unlimited-user site license (education)
Guest accounts and no-cost evaluation licenses are available
Dartmouth College; Software Sales; 6028 Kiewit Computer Center; Hanover, NH 03755; 603-646-2643 or 603-646-2810 (fax)

cc:Mail Macintosh Platform Pack
Electronic mail
Macintosh Plus or larger.
cc:Mail Macintosh Platform Pack is an electronic mail program that lets users communicate with other cc:Mail users regardless of their computing platform or location. Users can send text, sound, QuickTime movies, graphics, facsimile or other files to cc:Mail users on Macintosh, DOS, Windows, Unix or OS/2 computers. cc:Mail is easy to administer because cc:Mail messages are stored on whatever file server a user is using — AppleShare, NetWare, LAN Manager, etc. Other cc:Mail Platform Packs are available for DOS, Windows, Unix and OS/2.
cc:Mail Remote for Macintosh is an electronic mail program that allows users on stand-alone Macintosh (or PowerBook) computers to exchange items with other cc:Mail users regardless of their computing platform. It works as a companion product to any cc:Mail Platform Pack on a local area network.
$495 per server retail; cc:Mail Macintosh Platform Pack
$345 to $3,295 per post office retail; cc:Mail User Packs (10 to 100 users)
$295 per remote user retail; cc:Mail Remote
$995 per post office retail; cc:Mail Automatic Directory Exchange
$995 per post office retail; cc:Mail Import/Export
$395 per post office retail; cc:Mail Network Scheduler
$995 to 2,995 per gateway retail; cc:Mail Link to MCI Mail, SMTP, Soft-Switch or PROFSlink
$695 per gateway retail; cc:Mail EZlink
$695 per gateway retail; cc:Mail Telelink
cc:Mail, A Division of Lotus; 800 El Camino Real W; Mountain View, CA 94040; 415-961-8800 or 415-961-8400 (fax)

DaVinci eMail for the Macintosh 2.5
Full-scale electronic mail product
Macintosh Plus or larger; 1 MB of RAM; Novell NetWare for the Macintosh; Novell NetWare MHS; eMail 2.5 for DOS or Windows; System 6.0.5 or later.
DaVinci introduces a full-scale electronic mail product for the Macintosh with the rich feature set of its well known eMail for DOS and Windows. DaVinci eMail for the Macintosh is System 7 compatible and allows messaging between Macintosh and PC users on NetWare networks. It includes such sophisticated features as conversation threading, unlimited file attachments, built-in attachment viewers, hierarchical file folders, personal message encryption, spell checking, balloon help and more. DaVinci eMail for the Macintosh runs natively on Novell's NetWare MHS and Global MHS transport and offers the same tight integration with the NetWare administration and security as DaVinci's other eMail products. In a cross-platform installation, DaVinci eMail for the Macintosh ties transparently into the existing system administration with no extra maintenance required.
$595 retail; platform pack (unlimited users)
DaVinci Systems Corp.; 4200 Six Forks Rd.; Raleigh, NC 27609; 919-881-4320, 800-328-4624 or 919-787-3550 (fax)

EMX, The Enterprise Mail Exchange
Multiprotocol E-mail switch based on X.400 and X.500 with full graphical management
Macintosh II.
EMX, The Enterprise Mail Exchange, is a family of scalable, multiprotocol backbone electronic mail switches and directory servers based on the 1988 versions of X.400 and X.500 that provide full interoperability with other major electronic mail distribution protocols, including SNADS, SMTP and MHS. Additionally, EMX maintains a complete subscriber directory of X.500 attributes and supports existing directory access and synchronization protocols. All current Soft•Switch products for mail connectivity, management and directory synchronization are fully compatible with EMX.
$4,000 starting price retail; LAN gateways
$30,000 starting price retail; EMX
Soft•Switch, Inc.; 640 Lee Rd.; Wayne, PA 19087; 610-640-9600 or 610-640-7550 (fax)

FirstClass
Cross-platform electronic mail, conferencing and remote access software
Macintosh Plus or larger; modem and network optional.



FirstClass is used by businesses, educators, user groups, service bureaus, public services and all others who enjoy exchanging information easily using the Macintosh and Windows interfaces. FirstClass saves users money by combining electronic mail, file sharing and electronic discussions seamlessly over networks and telephone lines and provides an outstanding, configurable graphical interface for doing so. FirstClass combines the features of a complete office electronic E-mail package and network conferencing system for electronic discussions. Its integrated remote dial-in functionality makes it ideal as an electronic bulletin board system for public access or customer support. A FirstClass client for Windows lets IBM and compatible users log in via network or modem without the need for complicated file servers or routers required by other multiplatform communications packages. SoftArc's FirstClass server software can run on any non-dedicated Macintosh and accommodate as many as 100 simultaneous network connections and 22 concurrent modem users.
$490 and up retail
SoftArc Inc.; 100 Allstate Pkwy.; Markham, Ontario, Canada L3R 6H3; 905-415-4000 or 905-415-7151 (fax)

■ FirstClass Retriever
Client software for Newton MessagePad users and FirstClass mail and conferencing systems
Newton MessagePad; SoftArc Inc.'s FirstClass.
FirstClass Retriever is a Newton MessagePad client for the FirstClass E-mail and conferencing system from SoftArc Inc. It allows users to automatically retrieve, read and reply to mail from remote FirstClass servers using a Newton MessagePad with either internal or external modems, modem-emulating wireless trans-

ceivers or a wireless local area network. New features incorporated into Retriever include networking support for operating Retriever over AppleTalk, the ability to browse folders in a user's mailbox, automatic retry on busy connection and new mail notification. FirstClass Retriever operates in two modes: Connect and Xchange. In Connect mode, users can selectively read and respond to messages while online with a FirstClass server. Xchange mode is used to minimize phone connect costs, allowing users to quickly download messages for later review and upload messages created offline in batch mode. Other features include: support for connections to multiple FirstClass systems or the same system with different locations and support for offline message creation.
$99 retail
Black Labs; 3613 Sunshine Canyon; Boulder, CO 80302; 303-938-8580 or 303-938-8546 (fax)

MacPROFF
Front end for IBM PROFS, OfficeVision and PASF electronic mail systems
Macintosh SE/30 or II family; 2 MB of RAM; hard disk drive; System 6.0.4 or later; HyperCard 2.1 or later; DCA MacIRMA family of products.

MacPROFF is a HyperCard-based front end for the IBM PROFS, OfficeVision and PASF electronic mail systems. It uses High Level Language Application Program Interface (HLLAPI) technology capable of displaying IBM mainframe computer screens (like mainframe screens) in HyperCard. MacPROFF is designed to make the process of interacting with the IBM mail systems a more pleasant experience by providing Macintosh features, such as copy, paste, pull-down menus and point-and-click buttons. The product includes more than 100 predefined cards that match the most commonly used E-mail screens. MacPROFF is designed to have no impact on a company's PROFS, OfficeVision or PASF system. All of the work done by MacPROFF takes place on the Macintosh, not on the mainframe. MacPROFF comes complete with a set of tools that make it a simple matter to change the look and feel of the interface to the mainframe-based system. Features include: sends multiple page notes from a scrolling field; allows for full-screen note editing in a Macintosh environment; provides a "Hot Calendar" by allowing users to click on a date to view the daily schedule; supports schedule and calendar functions in a point-and-click manner; sends multiple-page Macintosh text files as PROFS notes; stores nicknames, user IDs and distribution list names on the Macintosh; saves and searches notes in local HyperCard stacks; displays multiple-page notes in scrolling fields; deletes multiple notes in a batch; and prints notes directly on a Macintosh printer.
$129.95 retail
Mariette Systems International; 39 Ericson Rd.; San Mateo, CA 94402; 415-344-1519

Mail*Link Directory Services
Provides point-and-click E-mail addressing across gateways and backbones
Macintosh II or larger; 2.5 MB of RAM; hard disk drive.

StarNine Directory Services provides point-and-click E-mail addressing and synchronization across gateways and backbones. It solves the addressing problem between diverse mail systems by providing Macintosh users access to the addresses maintained by a wide variety of mail systems on Macintosh, PC and Unix platforms, and by transparently adding routing information when it is required to deliver mail to the returned address. It can also access Unix databases and Macintosh database files formatted with Mail*Link DS, which can hold any type of directory information (such as phone numbers). All changes and updates to a mail system are transparently recognized by Directory Services, without creating any additional work for the network administrator. E-mail gateways no longer need to be manually configured with lists of addresses or manually updated.
$2,995 retail; single-server bundle
StarNine Technologies, Inc.; 2550 Ninth St., Ste. 112; Berkeley, CA 94710; 510-649-4949 or 510-548-0393 (fax)

Mail*Link For cc:Mail/QM
Connects Macintosh QuickMail users with cc:Mail users on PCs and Macintoshes
Macintosh Classic or larger; 1 MB of RAM; hard disk drive; Microsoft Mail 2.0a or later or QuickMail 2.2.3 or later; AppleShare client software (included); System 6.0.4 or later.

Connecting Macintosh QuickMail users with cc:Mail users on PCs and Macintoshes, Mail*Link for cc:Mail/QM provides transparent connectivity between CE Software's QuickMail and Lotus Corp.'s cc:Mail. The gateway supports binary and text attachments, with special handling of enclosures to make them easier to use by PC recipients. Mail*Link for cc:Mail/QM is based on StarNine's MHS gateway for QuickMail. Novell's NetWare MHS (Message Handling Service) is an electronic mail protocol that is widely supported by PC LAN E-mail systems. Mail*Link for cc:Mail/QM is specifically designed to run with cc:Mail's MHS gateway in SMFLink mode, which does not require that NetWare MHS be running. A DOS utility provided with StarNine's gateway automates the process of setting up the directory structure that the two mail systems share. It requires cc:Mail Router software, which is already owned by any cc:Mail site with more than one cc:Mail post office.
Call for pricing; varies according to number of Macintosh users
StarNine Technologies, Inc.; 2550 Ninth St., Ste. 112; Berkeley, CA 94710; 510-649-4949 or 510-548-0393 (fax)

Mail*Link For MacX.400/QM And Mail*Link For MacX.400/MS
E-mail gateway between QuickMail or Microsoft Mail for AppleTalk networks and the X.400 world via Apple's MacX.400 MTA
Macintosh Classic or larger; 1 MB of RAM; hard disk drive; Microsoft Mail 2.0a or later or QuickMail 2.2.3 or later; System 6.0.4 or later; Apple's MacX.400 MTA; Apple's Ethernet NB card (for IEEE 802.3 backbone) or Serial NB card with MacX25 software 1.1 (for X.25 network).

Mail*Link for MacX.400/QM and for MacX.400/MS connect QuickMail or Microsoft Mail users on a Macintosh with X.400 backbones or public services. The gateway provides aliasing of QuickMail or Microsoft Mail user names into O/R addresses, supports AppleSingle, MacBinary and DataFork-Only for enclosure transport, maps outgoing enclosures into administrator-selectable body parts (including IA5 Text, ISO 6937 Text, T.61 Standard Binary and MacBinary — ODA and ASN.1 body parts are automatically utilized if those types of documents are sent), supports the reply function with automatic full reply addresses in Domain-Defined Attribute Form (DDA) or Personal Name Format, supports bi-directional return receipts (including preservation of the X.400-required receipt correlator) and allows interval for polling the MacX.400 server to be configured.
Call for pricing; varies according to the number of Macintosh users
StarNine Technologies, Inc.; 2550 Ninth St., Ste. 112; Berkeley, CA 94710; 510-649-4949 or 510-548-0393 (fax)

Mail*Link For PowerShare
Connects AOCE PowerShare servers with Macintosh, Unix and other E-mail systems
Macintosh II or larger; 4 MB of RAM; System 7.1 or later with PowerShare Mail Server software.

The Mail*Link for PowerShare product line provides gateway connectivity between AOCE PowerShare Mail Servers and other mail systems. Mail*Link for PowerShare/QM connects PowerShare servers to QuickMail servers over AppleTalk. Mail*Link for PowerShare/MS connects PowerShare servers to Microsoft Mail servers over AppleTalk. Mail*Link SMTP for PowerShare connects PowerShare servers to any mail system or gateway that supports SMTP, the standard mail protocol for Unix environments and the Internet.
Call for pricing
StarNine Technologies, Inc.; 2550 Ninth St., Ste. 112; Berkeley, CA 94710; 510-649-4949 or 510-548-0393 (fax)

Mail*Link For PowerTalk
Connects AOCE PowerTalk users with QuickMail or Microsoft Mail servers
Macintosh II or larger; 4 MB of RAM; System 7.1 or later with PowerTalk.

Mail*Link for PowerTalk/QM and Mail*Link for PowerTalk/MS allow transparent use of QuickMail or Microsoft Mail accounts via the AOCE PowerTalk interface. Mail appears in a PowerTalk user's In Tray, enabling easy communication with other PowerTalk users or gateways, as well as QuickMail or Microsoft Mail users.
Call for pricing
StarNine Technologies, Inc.; 2550 Ninth St., Ste. 112; Berkeley, CA 94710; 510-649-4949 or 510-548-0393 (fax)

Mail*Link For VINES/QM
E-mail gateway between QuickMail and Banyan VINES mail systems
Macintosh Classic or larger; 1 MB of RAM; hard disk drive; Microsoft Mail 2.0a or later or QuickMail 2.2.3 or later; AppleShare client software (included); System 6.0.4 or later; Banyan VINES 5.0 or later.

Mail*Link for VINES/QM connects QuickMail users on the Macintosh with Banyan VINES mail users on the PC. Using an AppleTalk connection between the two networks, Mail*Link for VINES translates messages directly into the proprietary format of each mail package. It also provides aliasing of QuickMail user names into StreetTalk addresses, allows more than 10 enclosures, can convert text enclosures to 72-character line length for optimal use by PC recipients, supports the reply function with automatic full reply addresses, supports bi-directional return receipts and allows the incoming mail search interval to be configured (reducing network traffic). Mail*Link for VINES is fully integrated with the Intelligent Messaging Service and requires VINES 5.0 or later.
Call for pricing; varies according to number of Macintosh users
StarNine Technologies, Inc.; 2550 Ninth St., Ste. 112; Berkeley, CA 94710; 510-649-4949 or 510-548-0393 (fax)

Mail*Link MHS
E-mail gateway between Macintosh and PC E-mail systems
Macintosh Classic or larger; 1 MB of RAM; hard disk drive; Microsoft Mail 2.0a or later or QuickMail 2.2.3 or later; AppleShare client software (included); System 6.0.4 or later.

Mail*Link MHS is an E-mail gateway between Microsoft Mail or QuickMail and NetWare MHS (Message Handling Service). The gateway supports MHS 1.5. With Mail*Link, users can exchange messages with MHS-compatible systems. A partial list of these accessible systems include: Da Vinci, cc:Mail, Notework, WordPerfect Office and Beyond Mail. Mail*Link MHS runs on one Macintosh and use of the gateway is transparent to end users. Multiple text and binary file enclosures are supported, as well as return receipts and replies.
Call for pricing; varies according to number of Macintosh users
StarNine Technologies, Inc.; 2550 Ninth St., Ste. 112; Berkeley, CA 94710; 510-649-4949 or 510-548-0393 (fax)

Mail*Link Remote
E-mail gateway between Macintosh mail and UUCP/Internet
Macintosh Classic or larger; 2.5 MB of RAM; Microsoft Mail Server and Microsoft Gateway software for Microsoft Mail 2.0a or later; or QuickMail 2.2.3 or later; modem or serial line connection; System 6.0.4 or later.

Mail*Link Remote is an E-mail gateway between Macintosh mail systems over asynchronous communications lines (modems, serial, etc.). With Mail*Link Remote, users of either Microsoft Mail or QuickMail can easily exchange mail with remote sites running Macintosh, PC or Unix mail systems, as well as the Internet. Mail*Link Remote uses UUCP (a standard protocol for asynchronous serial communications). Mail*Link Remote provides easy mail addressing with aliases. Incoming messages from Unix or remote Macintosh mail sites are forwarded directly to the addressed Macintosh user. Easy to install and admin-

ister, the gateway runs on a single Macintosh. Dial-up times, modem types and serial ports are all easily configured. Mail*Link Remote supports Macintosh mail users' capability to transfer binary and text files as mail attachments.
Call for pricing; varies according to number of Macintosh users
StarNine Technologies, Inc.; 2550 Ninth St., Ste. 112; Berkeley, CA 94710; 510-649-4949 or 510-548-0393 (fax)

Mail*Link SMTP
E-mail gateway between Macintosh mail programs and Unix mail over TCP/IP networks
Macintosh Classic or larger; 2.5 MB of RAM; Ethernet connection (MacTCP included); QuickMail 2.2.3 or Microsoft Mail 2.0a; System 6.0.4 or later.

Mail*Link SMTP is an E-mail gateway that connects QuickMail or Microsoft Mail for AppleTalk networks to any system that supports SMTP, the standard mail protocol for Unix environments. It is also used to connect Macintosh mail systems to the Internet by way of a local Unix host. Mail*Link allows Macintosh and Unix users to send mail to each other without leaving their preferred environments. The gateway transfers mail in the background to a user's local mail package. Mail*Link supports mail users' capability to send text or binary files as mail enclosures to and from SMTP mail networks. Macintosh files can be transferred in AppleSingle, DataFork Only or BinHex format so they can be of optimal use to the recipient. Easy to install and administer, the gateway operates entirely on one Macintosh and requires no additional software on the Unix system.
Call for pricing; varies according to number of users
StarNine Technologies, Inc.; 2550 Ninth St., Ste. 112; Berkeley, CA 94710; 510-649-4949 or 510-548-0393 (fax)

MesaMail
Provides a Macintosh interface to host-based mail systems
Macintosh Plus or larger; System 6.0.4 or later.

MesaMail provides a Macintosh interface to host-based mail systems via local in/out boxes, mail browsing and a flexible screen display of the mail in a user's choice of font, size and window layout. When scheduled or asked to pickup and deliver mail, MesaMail signs on to mail systems, retrieves and sends the current mail. The browser supports scanning of mail and text documents in a folder (e.g., the inbox folder, the outbox folder or one of the archive folders). Multiple users on one Macintosh are supported via "User Folders," which can have independent address directories, mailboxes, inboxes and outboxes. MesaMail uses Apple's Communication Toolbox for connecting to the host and supports Unix mail systems, VAX mail systems, CompuServe and other command line-based mail systems.
$79 retail
$49 retail; student (via university bookstore)
$1,000 retail; site
Mesa Graphics, Inc.; PO Box 600; Los Alamos, NM 87544; 505-672-1998

Microsoft Mail 3.1
Electronic mail program for Macs and IBMs and compatibles on AppleTalk and compatible networks
Macintosh Plus or larger; local area network (AppleTalk, EtherTalk or compatible).

Microsoft Mail is a fully integrated desktop communications/electronic mail system that allows users on any number of local or remote AppleTalk networks to communicate with each other by sending messages, files, custom forms and graphics. Remote dial-in ability is supported. The Microsoft Mail server software functions as a central resource manager for all electronic mail sent and received on the LocalTalk network. It maintains a current listing of all mailboxes registered on the system. The server eliminates the problem of lost messages and files by storing them to disk immediately upon receipt. Users can send messages, documents, files, custom forms and voice messages. Mail can be sorted by subject, sender or date sent and stored in customized folders. Personal address book and group names are automatically updated. An unlimited number of files can be attached to a message. Mail can be sent and received from within other applications. Microsoft Mail is integrated with Microsoft Word, Excel and Aldus PageMaker so users can share in the creation of information. Mail can be sent to users on other E-mail networks, such as AppleLink, MCI Mail or PROFS, through gateways that are available to Microsoft Mail.
$395 retail; Server (includes one Mac Workstation)
$395 retail; five station add-pack
$1,349 retail; 20 station add-pack
$5,500 retail; 100 station add-pack
$22,500 retail; 500 station add-pack
Microsoft Corp.; One Microsoft Way; Redmond, WA 98052-6399; 206-882-8080

Microsoft Mail For Macintosh Gateway To X.400
X.400 connectivity for Microsoft Mail users
Macintosh Plus or larger; 4 MB of RAM; System 6.0.2 or later; MultiFinder 6.1 or later.

The Microsoft Mail for Macintosh Gateway to X.400 provides easy access to other E-mail systems and public mail networks. Used in conjunction with OPENServer 400, the Gateway allows users to send messages or files quickly and easily — across the office or around the world. The Microsoft Mail Gateway to X.400 and OPENServer 400 work together to provide MS Mail to X.400 file conversion and transmission facilities. By using the standard X.400 data format, messages can be exchanged between otherwise incompatible E-mail programs, whether they run on mainframes, minicomputers or other LAN systems. The OPENServer/Gateway combination provides a flexible, reliable and efficient message transportation system.
$2,495 retail
Retix; 2401 Colorado Ave.; Santa Monica, CA 90404; 310-828-3400, 800-255-2333 or 310-828-2255 (fax)

■ **NewtonMail**
Allows users to exchange text messages
Newton MessagePad.

NewtonMail enables Newton users to exchange text messages easily with each other and with anyone who can be reached on CompuServe, America Online, MCI Mail, AppleLink, SprintMail, EasyLink and other online services accessible via the Internet. In addition, NewtonMail allows electronic exchange of Newton information, such as notepad messages (including graphics), business cards and calendar appointments between NewtonMail subscribers. By taking advantage of intelligent assistance support for addressing messages, users can send mail from any application within Newton. In addition, NewtonMail uses metaphors consistent with other built-in Newton applications, such as the In-Box and Out-Box functions. To get started with NewtonMail, users need a Newton device, a Newton Fax Modem, a phone line and a NewtonMail account. The NewtonMail Starter Kit includes a booklet describing the service, a pocket-sized listing of worldwide network access telephone numbers and a certificate with a password and registration number for automatic online registration.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

OTA — On The Air
Allows users to communicate with sound over any AppleTalk or Ethernet network
Macintosh Plus or larger; System 7.0 or later.

OTA is an ideal intercom system for the Macintosh office. It allows Macintosh users to communicate with sound over any AppleTalk or Ethernet network. With the Macintosh built-in microphone or third-party microphone, users hold live conversations across a network — even across a busy LocalTalk network. Users send messages quickly and easily using a customizable address book or the convenient "one-key connect" feature. Scanned photographs can be made to appear on the screen when connected with another user. OTA also transmits saved sounds and contains a substantial library of exciting sound effects. Sounds and messages play automatically in the background, without affecting a user's current work. PowerBook users can also communicate through a single telephone line with users in the home office while accessing other network information.
$79.99 retail; two-user pack
$179.99 retail; five-user pack
$639.99 retail; 20-user pack
Digital Eclipse Software, Inc.; 5515 Doyle St., Ste. 1; Emeryville, CA 94608; 510-547-6101, 800-289-3374 or 510-547-6104 (fax)

PowerRules 1.0
Delivers intelligent agent technology to Macintosh users
Macintosh Plus or larger; hard disk drive with 1.2 MB of free space; System 7 Pro.

PowerRules is an easy-to-use add-on application for Systems 7 that let's users conquer information overload and access important information quickly and easily. PowerRules filters new letters for users, maintains letter tags and automatically replies to and forwards letters when they're in the office and when they're not, regardless of which letter application they are using. By using AppleScript, the advanced features of PowerRules gives users the capabilities to automate workflow and ongoing communications within their workgroup. With PowerRules, users can, for example, automate a purchase order approval process, trigger a spreadsheet consolidation or database query, or manage a document review process.
$99.95 retail; single user
$695 retail; 10 user version
Banyon Systems, Inc.; 120 Flanders Rd.; Westboro, MA 01581; 508-898-1000, 800-222-6926 or 508-898-1663 (fax)

QM Log Translator 1.6h
Summarizes the logs that are automatically sent to the custodian from a QuickMail server
Macintosh Classic or larger; 4th Dimension (V2 or V3) or 4D Runtime (V2 or V3); QuickMail 2.5/2.6; System 6.0.5 or later.

QM Log Translator is a 4th Dimension database that will aid an administrator of any size QuickMail network by analyzing the efficiency and effectiveness of the QM MailCenter's activity. QMLT summarizes the logs that are sent to a custodian of the QuickMail 2.5/2.6 server. These logs contain valuable information that can help a QuickMail server run more efficiently. QM Log Translator can import Online, QM-QM, QM-Direct, QM-Script, AppleLink, Connect, Printer, 4-Sight Fax, FaxGate, Mail Usage Logs and Serial Number Logs. Users can even automatically send a QuickMail message to mail log offenders, letting them know exactly how much server space all their messages are taking.
$179 retail; free demo available
MDG Computer Services; 231 Faircraft Rd.; Bartlett, IL 60103; 708-622-0220 or 708-622-8893 (fax)

QM-Page
Full text electronic mail to wireless receiver
Macintosh SE or larger; 2 MB of RAM; System 6.0.5 or later.

QM-Page allows any user of QuickMail by CE Software to originate alphanumeric pages as easily as they send any other electronic mail message. Users who are running QuickMail or are gateway'ed to QuickMail from other mail systems may type E-mail messages at their desks, send them via QuickMail using QM-Page and have the full text message delivered to the designated wireless receiver. No additional user training is required. QM-Page is designed for work groups with one to 2,000 wireless receivers. The QM-Page Gateway runs directly under and shares a modem with the QM-Administrator. Multiple paging services are handled with varying message length requirements using dial-up or direct serial connect. Unique features include future page, message to multiple addresses, up to 5,000 character messages and automatic "Split Paging." QM-Page supports wireless receivers, including Newton and Simon PDAs, palmtop and laptop computers and alpha and digital pagers.
$249 to $999 retail; price based on number of wireless devices
Wolf Creek Technologies, Inc.; 1025 S.W Martin Downs Blvd., Ste. 202; Palm City, FL 34990; 407-288-7070 or 407-288-3005 (fax)

QM-Page-CS
Full text electronic mail to wireless receiver
Macintosh SE/30 or larger; 4 MB of RAM; System 7.0 or later.

QM-Page-CS allows any user of QuickMail by CE Software to originate alphanumeric pages as easily as they send any other electronic mail message. Users

These Products Available Through Bottom Line Distribution
1-800-347-1923

who are running QuickMail or are gateway'ed to QuickMail from other mail systems may type E-mail messages at their desks, send them via QuickMail using QM-Page-CS and have the full text message delivered to the designated wireless receiver. No additional user training is required. QM-Page-CS is designed for large network environments where the QM-Page-CS Gateways are clients to a central QM-Page Server. Multiple paging services are handled, with varying message length requirements, using dial-up or direct serial connect. Unique features include: future page, message to multiple addresses, up to 5,000 character messages and automatic "Split Paging." QM-Page-CS supports wireless receivers, including Newton and Simon PDAs, palmtop and laptop computers and alpha and digital pagers.
$249 to $999 retail; price based on number of wireless devices
Wolf Creek Technologies, Inc.; 1025 S.W Martin Downs Blvd., Ste. 202; Palm City, FL 34990; 407-288-7070 or 407-288-3005 (fax)

QuickAgent
Scriptable E-mail application
Macintosh Plus or larger; CE Software's QuickMail; System 7.0 or later.

QuickAgent is a scriptable E-mail application supporting CE Software's QuickMail products. QuickAgent provides QuickMail send and receive capabilities to any Apple Event-savvy application. With fully-documented and easy-to-use Apple Events, users can send and retrieve QuickMail with products like FileMaker Pro, FoxPro for Macintosh, Frontier, HyperCard and SuperCard. QuickAgent includes example FileMaker Pro templates. Through simple scripting, QuickAgent can alert applications when mail has arrived, send different events based on the content of the incoming mail and send a standard reply based on the content of the incoming mail. Replies can be included in the script, stored in a text file or sent as a file enclosure.
$99 retail; single user
$500 retail; site license
StepUp Software; 7110 Glendora Ave.; Dallas, TX 75230; 214-360-9301

QuickMail 3.0
Electronic mail
Macintosh Plus or larger (user software); Macintosh SE or larger (server software); hard disk drive.

QuickMail delivers a comprehensive cross-platform E-mail system all in one box. Every QuickMail package includes: easy-to-install server and administrator software; clients for Macintosh, Windows and DOS platforms; QM Forms, an application to create electronic forms; QM Remote to send and receive messages on the road; QuickConference for communicating in real time on screen; and gateways and bridges that connect to AppleLink, CompuServe, MCI Mail and more. Also included is a built-in spell checker to correct spelling errors within messages; the MailManager to automatically Reply, Forward, File, Print and Delete messages; and searching capabilities to quickly locate filed messages.
$199 retail; single-user pack
$449 retail; five-user pack
$649 retail; 10-user pack
$1,499 retail; 25-user pack
$2,549 retail; 50-user pack
$4,749 retail; 100-user pack
CE Software, Inc.; PO Box 65580; West Des Moines, IA 50265; 515-221-1801 or 515-221-1806 (fax)

SNADS Gateway/MS Mail
Extends the distribution capabilities of Microsoft Mail
Macintosh IIx or IIcx; Microsoft Mail gateway.

SNADS Gateway/MS Mail, in conjunction with other Soft•Switch products or with IBM's DISOSS, transparently extends the distribution capabilities of Microsoft Mail. Microsoft Mail users can exchange mail in the form of final-form messages, editable documents and binary files (e.g., spreadsheets) with users of other systems that are connected to a Soft•Switch Enterprise Mail Network or to DISOSS. By connecting a SNADS Gateway/MS Mail to Soft•Switch Central executing on an IBM host or EMX, the Enterprise Mail Exchange, Microsoft Mail users can access Soft•Switch services (e.g., Library Services, Translation Services, Distributed Print Services or Directory Services) available on the Soft•Switch Enterprise Mail Network.
$4,000 starting price retail
Soft•Switch, Inc.; 640 Lee Rd.; Wayne, PA 19087; 610-640-9600 or 610-640-7550 (fax)

Snap Mail
Electronic mail and messaging package
Macintosh Plus or larger; System 6.0.2 or later.

Snap Mail is an electronic mail and messaging package used on AppleTalk networks in workgroups, schools, offices and homes. Users can perform all basic functions of an E-mail system, including sending, receiving and replying to mail right from the main window — effortlessly. Mail items are listed in a summary format. Users can quickly view any piece of mail by double-clicking on that particular item to read the contents. The first-time user can begin to use Snap Mail immediately and advanced users will love all the preferences and options available. Other features include: easy to install and learn; requires no administrator or dedicated server; supports AppleTalk Remote Access; ideal for PowerBooks; offers conferencing and instant alerts; and transfers documents effortlessly.
$200 retail; five pack
$320 retail; 10 pack
$1,440 retail; 50 pack
Casady & Greene, Inc.; 22734 Portola Dr.; Salinas, CA 93908; 408-484-9228, 800-359-4920 or 408-484-9218 (fax)

Soft•Switch Central
Interconnect multivendor electronic mail networks
IBM VM/MVS host; appropriate network connections.

Soft•Switch Central and Gateways transparently interconnect multivendor electronic mail networks. Soft•Switch also provides tools to manage interconnected e-mail networks and the mail-enabled applications to exploit them. Soft•Switch Central connects existing mail systems with each other to provide a backbone mail network. Each user sees the network as if everyone uses their same electronic mail system; messages, editable documents and binary files can be freely exchanged.
Call for pricing
Soft•Switch, Inc.; 640 Lee Rd.; Wayne, PA 19087; 610-640-9600 or 610-640-7550 (fax)

TeamLinks Mail For Macintosh
Allows Macintosh users to exchange messages and attached files with other users across an enterprise-wide network
Macintosh Plus or larger; 1.5 MB of RAM; 40 MB hard disk drive; 3.5-inch SD disk drive; System 7.1 or later.

TeamLinks Mail for Macintosh is part of the DEC Mailworks family of products. It is a Macintosh Graphical User Interface implementation allowing Macintosh users to exchange messages and attached files with other PC, video terminal, Macintosh and workstation users across an enterprise-wide network. TeamLinks Mail for Macintosh is an electronic messaging application that implements recommendations from the 1984 CCITT X.400 P2 international messaging standard. As with other mail products, TeamLinks Mail for Macintosh performs the traditional tasks of creating, sending and storing mail and also has the advantage of X.400 standards compliance, extending the PC user reach into the Corporate Enterprise Wide Area Network (WAN).
$55 retail
Digital Equipment Corp.; 146 Main St.; Maynard, MA 01754; 508-493-7161, 800-344-4825 or 508-493-8780 (fax)

UUCP/Connect
Complete UUCP integration for the Macintosh
Macintosh SE or larger; 2 MB of RAM; UUCP-capable modem.

UUCP/Connect provides a complete environment for reading electronic mail and Usenet news from a Macintosh via the UUCP protocol. Using Apple's Communications Toolbox, UUCP/Connect can be used over straight serial links, modems, AppleTalk, TCP/IP, ISDN, X.25 and others. UUCP/Connect's built-in terminal emulator offers VT100 emulation and is fully compatible with other Communications Toolbox tools. File transfer also supports the Comm Toolbox, providing for MacBinary, Xmodem, Ymodem and Kermit transfers. UUCP/Connect is available in two versions: client and server. Each local area network requires at least one Macintosh to act as a UUCP/Connect server. Additional Macintoshes can access news and mail from the server with UUCP/Connect client.
$295 retail; UUCP/Connect server
$195 retail; UUCP/Connect client
User bundles and discounts are available (call for a free 30-day demo copy)
InterCon Systems Corp.; 950 Herndon Pkwy., Ste. 420; Herndon, VA 22070; 703-709-5500, 800-468-7266 or 703-709-5555 (fax)

WorldLink
Makes Internet access readily available and affordable to companies, organizations and individuals without extensive hardware resources
Macintosh SE or larger; 2 MB of RAM (4 MB recommended); System 6.0.5 or later; Hayes-compatible modem.

WorldLink is a product that can be installed on either a Macintosh or DOS-based machine. Along with a Hayes-compatible modem and a regular phone line, it allows users to dial their accounts on PSInet and exchange messages with others who have an E-mail address that can be reached over the Internet. It also provides a capability to download files from an anonymous FTP server to the PC and an ability to subscribe to various bulletin boards over the Internet. There is a monthly charge of $9 to $29, depending on the level of service required, for use of the personal account and password on PSInet.
$29.95 retail
InterCon Systems Corp.; 950 Herndon Pkwy., Ste. 420; Herndon, VA 22070; 703-709-5500, 800-468-7266 or 703-709-5555 (fax)

Desktop Communications/ File Servers

AllShare V1.1
Non-dedicated AFP file server
Macintosh Plus or larger; 1 MB of RAM; System 5.0 or later.

AllShare is a non-dedicated, AppleShare-compatible AFP (Apple Filing Protocol) file server that operates in the background. Features include: AppleShare file servers and AllShare co-exist on the same network using the same AppleShare client software; implements byte range locking at all times; with AllShare, it is not necessary to dedicate a Macintosh solely as a server (every Macintosh running AllShare can act as a server, while others can access files on its disk); will publish volumes in three states — the entire volume, one folder or the entire volume with one folder protected (volumes can be password protected); allows users to determine how much time their Mac spends on server operations, giving the server more control when performing complicated tasks; and allows read/write access with the optional feature that prevents users from deleting a file or folder.
$249 retail; zone license
Everyware Development Corp.; 6543 Mississauga Rd.; Mississauga, Ontario, Canada L5N 1A6; 905-819-1173 or 905-819-1172 (fax)

AppleShare 4.0.2
File and print server software
Macintosh Centris 610, Quadra 700/800/950, Apple Workgroup Server 60/80 or Power Macintosh; 8 MB of RAM; hard disk drive; System 7.1 or later.

AppleShare 4.0 is a higher-performance version of AppleShare tuned for the Motorola 68040 microprocessor. Designed for small- to medium-size workgroups, AppleShare 4.0 runs on the Apple Workgroup Server 60 and 80, as well as Macintosh Centris 610 and Quadra 700, 800 and 950 computers. AppleShare 4.0 uses new software caching techniques to accelerate file server performance. These enhancements include file, directory and icon caches, which speed up all facets of server access. All AppleShare caches can be modified to tune the server for optimal performance, depending on the needs of the workgroup.
Call for pricing; AppleShare 4.0.2
Call for pricing; AppleShare Pro (for use with Apple Workgroup Server 95 CPU)

Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

AppleShare Server 3.0.1
File and print server software
Macintosh Classic or larger; 4 MB of RAM; hard disk drive; System 7.0 or later.

AppleShare Server is a new version of Apple's server software for the Macintosh that meets the security, performance and multitasking requirements of larger workgroups and departments within enterprises. AppleShare provides access to centralized shared storage for up to 120 concurrent users and queued access for up to five network printers. In addition, because AppleShare Server supports the multitasking feature of System 7, a Macintosh can run AppleShare simultaneously with other server software and applications, such as database servers and communication servers. AppleShare Server also has open Application Program Interfaces (APIs) to allow third parties to extend the AppleShare server's capabilities by offering such enhancements as server backup and accounting packages running on the same Macintosh server. AppleShare Server continues to feature easy installation and administration, and has increased password protection, server administration messaging, application launch-count control, copy protection and print spooling.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Banyan VINES Version 5.54
Enterprise-wide networking system
Server requires IBM PC 386 or 486; 4 MB of RAM; 60 MB hard disk drive. Client requires Macintosh Plus or larger; 2 MB of RAM; System 6.0.7 or later.

Banyan VINES enterprise-wide networking system allows users to fully and easily integrate Macintosh workstations with DOS, OS/2 and Windows workstations on the same network. Any Macintosh on a VINES network can access local and wide area network resources absolutely anywhere on the network across the enterprise. VINES makes use of the AppleTalk filing protocol, including the Printer Access Protocol. In addition, AppleTalk tunneling through VINES enables disjointed AppleTalk networks to be connected with each other via the VINES network.
$2,995 to $14,995 retail; 10 users to 250 users
Banyan Systems Incorporated; 120 Flanders Rd.; Westboro, MA 01581; 508-898-1000 or 508-898-1755 (fax)

EtherShare
Macintosh file server for Unix computers
Macintosh Plus or larger; hard disk drive.

EtherShare is a Macintosh file server for Unix computers running any of the standard versions of Unix, Digital, AIX RS-6000, Data General, HP, Sun OS and SGI. It integrates a high-performance file server, a print server (spooler) handling PostScript protocols and an AppleTalk Internet router. It also provides terminal services and access to Unix mail. It allows any Macintosh user on the network to perform Unix network administration tasks with the simple Macintosh point-and-click interface. EtherShare is fully compatible with AppleShare, but operates at the 10 Mbits/second speed of Ethernet. It supports MS-DOS computers via AppleShare's PC Client software and is fully compatible with EtherTalk and TokenTalk, as well as LocalTalk networking protocols. EtherShare runs as a separate process under Unix, leaving full system resources available for concurrent applications. It is fully AFP 2.1 compliant and compatible with both Phase 1 and 2 AppleTalk. Unix files are displayed on all the Macintosh screens in the network, using icons familiar to the user.
$4,300 retail
Helios USA; 10601 S. DeAnza Blvd., Ste. 103; Cupertino, CA 95014; 408-864-0690 or 408-864-0694 (fax)

FTPShare
Allows a Macintosh to be used as an FTP file server
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.

FTPShare is a set of communications applications that allow a Macintosh to be used as a multisession background FTP file server. It can be accessed by any computer with an FTP client application over a TCP/IP network. FTPShare provides a user access scheme similar to the one available in Apple's File Sharing for System 7.0 and allows: files to be transferred between a Macintosh and FTP clients; up to 20 clients to connect at the same time; an access profile to be given to each user; guest users to connect to the file server; support of aliases; and many other features. FTPShare is bundled with FTPack, ASC's FTP client for the Macintosh.
$140 retail
ASC; 10601 S. De Anza Blvd., Ste. 105; Cupertino, CA 95014; 408-725-4242 or 408-725-4243 (fax)

GatorShare
Turns the GatorBox CS or GatorStar GX into a file sharing gateway between LocalTalk and Ethernet LANs
Macintosh Plus or larger; GatorBox CS or GatorStar GX; workstation or minicomputer using Network File System.

GatorShare software turns the GatorBox CS or GatorStar GX into a file sharing gateway between AppleTalk and Ethernet LANs. Using the AppleShare interface, Macintosh users can access and store files on NFS hosts on Ethernet. Key features include: file sharing between Macintoshes and most Unix workstations using industry standard AppleShare and Network File System (NFS) protocols; installation only on the GatorBox CS or GatorStar GX, quickly and easily; AppleShare interface that gives Macintosh users easy access to NFS file servers; and data sharing between applications running on different platforms, such as Interleaf, WordPerfect, AutoCAD and others.

GatorPrint — GatorShare's printing component — translates the Unix remote printing protocol, lpr, into the printing protocols used by AppleTalk printers. So, Unix computer users can print to PostScript devices on LocalTalk, and it's faster than printing to a directly connected printer. GatorPrint is also available as a stand-alone product. Because GatorShare and GatorPrint run on the GatorBox CS or GatorStar GX, the network administrator never needs to install software on either the Unix computers or the Macintoshes on the network, easing network maintenance and expansion.
$995 retail; GatorShare and GatorPrint
$495 retail; GatorPrint (stand alone)
Cayman Systems, Inc.; 400 Unicorn Park Dr.; Woburn, MA 01801; 617-932-1100

LS1000
Client/server file transfer software
Macintosh II family; LL1000.

LS1000 software permits exchange of files between NuBus-based Macintosh computers at very high transfer rates. Depending on system processor and backplane bus loads, transfer rates approaching 4 MB per second can be achieved. LS1000 utilizes the Lextel LL1000 NuBus link cards to achieve this high performance. An LL1000 NuBus card is installed in each Macintosh that will share files. Multiple systems are connected using fiber optic or coax cables in a star configuration with one machine acting as the hub. An LS1000/LL1000 link is useful in pre-press and other imaging applications where high bandwidth is required to move images between machines.
$250 retail
Lextel, Inc.; PO Box 306; Wakefield, MA 01880; 617-245-5017 or 617-245-6369 (fax)

Macintosh Support In NetWare V2.2
Offers full Macintosh integration with the NetWare V2.2 network computing environment
Macintosh Plus or larger (clients); System 6.0 or later; most 286- and 386-based PCs and PS/2s (servers).

NetWare V2.2 integrates the Macintosh computer into the NetWare computing environment. It enables Macintosh, DOS and OS/2 workstations to share data and network resources. NetWare services appear to a Macintosh user as AppleShare services, recognizable as Macintosh graphical icons. NetWare for Macintosh V2.2 provides support for AppleTalk (Phase I and II) and AppleTalk Filing Protocol 2.0 (AFP), in addition to LocalTalk, Ethernet, Token Ring and Arcnet cabling media. Using the utilities included with NetWare, system administrators can manage the network from any Macintosh on the network.
Included with NetWare V2.2
Novell, Inc.; 122 East 1700 South; Provo, UT 84606; 801-429-7000 or 800-638-9273

Maclan Connect
Enables any PC or compatible to function as an AppleShare-compatible server
IBM or compatible PC/XT/AT/386; 640K; AppleTalk Interface Card; DOS 3.3; any Macintosh.

Maclan Connect enables any PC/XT/AT/386 or compatible to function as an AppleShare-compatible server. The software package enables transparent file sharing between Macs and PCs. Maclan Connect also allows E-mail sharing between cross-platform E-mail packages. All hard disks, LAN volumes or other storage devices are available to AppleShare-connected Macintosh workstations. Maclan Connect is AppleShare Phase 2 compliant. It supports EtherTalk, TokenTalk, Internet Routers, etc. AppleTalk Filing Protocol (AFP) Version 2.1 specifications are fully supported.
$495 per server retail
Miramar Systems; 121 Gray Ave., Ste. 200B; Santa Barbara, CA 93101; 805-966-2432, 800-862-2526 or 805-965-1824 (fax)

Maclan Connect For NetWare
Integrates Macintosh computers and printers into any NetWare environment
IBM or compatible PC/XT/AT/386/486; 640K; AppleTalk interface card; DOS 3.3 or later; any Macintosh.

Maclan Connect for NetWare is a software gateway that seamlessly integrates Macintosh computers and printers into any NetWare environment. With Maclan Connect for NetWare, Macintosh users can now access hard drives, LAN volumes, CD-ROM drives and PostScript printers that exist within any NetWare 2.x-3.x network. Maclan for NetWare takes advantage of Novell APIs (Application Programming Interfaces) to make Maclan Connect aware of NetWare users, groups and print queues. The software is easy to install and operate because it does not require a complex knowledge of NetWare to set up the system.
$695 retail
Miramar Systems; 121 Gray Ave., Ste. 200B; Santa Barbara, CA 93101; 805-966-2432, 800-862-2526 or 805-965-1824 (fax)

MacTops V3.1
File server software for AppleTalk LANs providing transparent connectivity between Macintosh, IBM PCs and compatibles, Sun workstations and pen-based computers on a SitkaTops network
Macintosh 512K or larger; external disk drive or hard disk drive; Sitka TeleConnector or other AppleTalk-compatible cabling; thick or thin Ethernet cable for EtherTalk.

The distributed file-server architecture of MacTops allows each computer on a network to share files, disks and peripherals with any other computer on the network. SitkaTops can be configured as a distributed server network, a dedicated server network or a combination of both. MacTops features a print spooler for printing to the Apple LaserWriter and MacLinkPlus/Tops translators from DataViz, a file translator that translates text and data file formats between many of the popular Macintosh and DOS applications programs.
$299 retail; single user
$399 retail; three pack
$995 retail; 10 pack
Sitka Corp.; 950 Marina Village Pkwy.; Alameda, CA 94501; 510-769-9669, 800-445-8677 or 510-769-8771 (fax)

MacX.400 SD
X.400 server for communication among proprietary electronic mail systems
Macintosh Plus or larger.

MacX.400 SD (Single Domain) is an affordable X.400 server for communication among proprietary electronic mail systems. MacX.400 SD is optimized for smaller businesses, bureau offices or workgroups that need to communicate with only one X.400 server. Otherwise, MacX.400 SD offers all of the communication capabilities of the MacX.400 product. The MacX.400 products enable Macintosh users to send electronic mail to recipients on other platforms connected to X.400 networks. Used together with an E-mail gateway, either server can distribute X.400 services to mail users over an AppleTalk network or other networks. That type of configuration allows the

These Products Available Through Bottom Line Distribution
1-800-347-1923

exchange of E-mail among recipients within a country or worldwide. MacX.400 SD can also be used inside large companies to connect Macintosh workgroups to other platforms through the corporate X.400 backbone. Both the single-domain and multiple-domain products support the 1984 X.400 standard, including the P1 and P2 messaging protocols. They each come with a full OSI stack, which allows users to connect to local and wide area networks. MacX.400 and MacX.400 SD support the ISO Transport Class 4 protocol stack for communication over IEEE 802.3 Ethernet and both enable the exchange of E-mail with remote sites over X.25 networks (when used in conjunction with Apple's MacX25).
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

NCR StarGroup Server For Macintosh Clients
Enables Macintosh users to transparently share files and printers with MS-DOS, Windows, OS/2, LAN Manager clients, Unix system users and Novell NetWare clients
NCR System 3000 and StarServer; StarGroup LAN Manager 2.1a; Unix System V, Release 4.

The NCR StarGroup Server for Macintosh Clients enables Macintosh users to transparently share files, printers and applications with MS-DOS, Unix and OS/2 users on a StarGroup LAN Manager network. Macintosh users maintain the user interface and other characteristics inherent in the Macintosh operating system. StarGroup Server for Macintosh Clients combines AppleTalk protocols with LAN Manager technology to provide Macintosh users with a feature-rich network operating system. Support for the AppleTalk Filing Protocol ensures Macintosh application compatibility, while adding extensive printer support, security and the integration of mixed client environments. No additional Macintosh workstation software is required. A server-based print spooler enables Macintosh clients to use PostScript printers connected directly to the StarGroup Server or to a LocalTalk network. It also allows DOS and OS/2 clients to access the same printers whether they are directly connected or part of the LocalTalk network.
$995 to $1,695 retail; uniprocessor
$1,995 to $3,395 retail; multiprocessor
NCR; 307 Middletown-Lincroft Rd.; Lincroft, NJ 07738; 908-576-6719

NetWare For Macintosh V3.11
Integrates Macintosh desktop systems into the NetWare V3.11 network computing environment
Macintosh Plus or larger (clients); System 6.0 or later; most 386- and 486-based PCs and PS/2s (servers).

NetWare for Macintosh V3.011 enables Macintosh users on a NetWare V3.11 network to access NetWare file, print and routing services via AppleTalk. Macintosh users share resources with DOS, OS/2 Unix and Windows clients on the NetWare network and enjoy enterprise-wide benefits of the NetWare operating system. These benefits include system fault tolerance, resource accounting and enhanced security. NetWare for Macintosh V3.011 is implemented as a set of NetWare Loadable Modules (NLM). The product provides support for AppleTalk (Phase I and II) and AppleTalk Filing Protocol 2.0 (AFP), in addition to LocalTalk, Ethernet, Token Ring and Arcnet cabling media. Using the utilities included with NetWare for Macintosh, system administrators can manage the network from any Macintosh on the network.
$495 retail; five-user version
$895 retail; 20-user version
$1,995 retail; 100-user version
$2,995 retail; 200-user version
Novell, Inc.; 122 East 1700 South; Provo, UT 84606; 801-429-7000 or 800-638-9273

Partner
Enables bidirectional peer-to-peer networking between Sun SPARCstations and Macintoshes
Macintosh Plus or larger.

Partner is software that enables bidirectional peer-to-peer networking between Sun SPARCstations and Macintosh computers. It transparently integrates Sun's Network File Systems (NFS) with the Apple Filing Protocol (AFP). Every networked Macintosh hard disk can appear as an NFS file system on the Sun SPARCstation and Macintoshes can see the SPARC files as though they are in AppleShare volumes. This allows native applications on each machine to access and save data on either the Macintosh or the Sun SPARCstation. Integration is performed by bit-mapping Macintosh icons onto the Sun desktop and binding their type and creator data into the OpenWindows binder database. This cross-platform communication creates an environment where data sharing is accomplished without making copies, transporting or translating files. The result is a true peer-to-peer, symmetrical, bidirectional, distributed network environment where the user can be completely oblivious to the location or creator of data. Bidirectional printing and access to Unix mail is possible. With the optional PrintQMgr, users can also view and monitor print queues, obtain print status and change print job priority. This allows users to delete, suspend and resubmit their own print jobs to any available printer on the network. Partner is also now available for the NEXTSTEP Motorola 68040 and Intel 486 platforms.
$695 retail; license for one client only
$995 retail; license for five clients only
$1,595 retail; unlimited clients
$1,995 retail; unlimited clients (server); Sun only
Information Presentation Technologies, Inc.; 555 Chorro St., Ste. A; San Luis Obispo, CA 93405; 805-541-3000 or 805-541-3037 (fax)

PowerShare Collaboration Server
Provides the foundation for team productivity and workflow solutions
Macintosh with 68020 or larger processor; 8 MB of RAM; hard disk drive.

PowerShare Collaboration Server software provides System 7 Pro PowerTalk users with server-based messaging, shared catalogs and network security services on AppleTalk networks. The PowerShare Mail Server acts as a store-and-forward agent for PowerTalk messages, ensuring delivery even when the sender and recipient systems are not available at the same time. With AppleTalk Remote Access, remote users can dial in at any time to send and retrieve messages. The PowerShare Catalog Server is a shared repository for collaborative information, such as employee databases and corporate directories. PowerShare servers automatically authenticate PowerTalk users and encrypt their network traffic to ensure the privacy of sensitive information. Multiple PowerShare servers can work together using distributed, replicated catalogs that provide higher performance and greater reliability. Replicated catalogs are easy to manage because PowerShare automatically keeps them synchronized. Gateway software from other vendors allows PowerShare servers to exchange mail with other messaging systems. PowerShare servers can act as the focus for collaborative applications, ranging from basic electronic mail to sophisticated scheduling, project management and business forms routing. Independent software developers are creating innovative applications in these categories that take advantage of PowerTalk and PowerShare technology, enabling a wide range of team productivity and workflow solutions. PowerShare collaboration server software can be installed on the same Macintosh computer as AppleShare or other server software, and can be administered from any Macintosh system on the network.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Server Sentry 2.0
Apple Events interface package
Macintosh Plus or larger; 2 MB of RAM; System 7.0 or later.

Server Sentry is an Apple Events interface package that allows complete server management. Server Sentry can be used to remotely: control access to the server, get server log/statistics, provide alarms if problems occur, copy/manage users and groups between multiple servers, remotely launch/quit applications, remotely shut-down the server and much more. All of these tasks are done from an interface that is identical to the familiar AppleShare 3.0 Administration interface. Server Sentry's features can be broken down between those that are AppleShare 3.0 Admin. features, which are implemented remotely, and those that are newly implemented features. All features are accessed from the Sentry Admin. application, which runs on the Administrator's Macintosh. The Sentry Agent application, which resides on each of the file servers, communicates with the Sentry Admin. via AppleEvents. Server Sentry is compatible with AppleShare 3.x, 4.0 and Pro.
$499 retail
$149 retail; Sentry Agent One-Pack
$399 retail; Sentry Agent Five-Pack
Sonic Systems, Inc.; 1150 Kifer Rd., #201; Sunnyvale, CA 94086; 408-736-1900, 800-535-0725 or 408-736-7228 (fax)

uShare
Enables Macintosh computers to be integrated with Unix workstations
Macintosh Plus or larger.

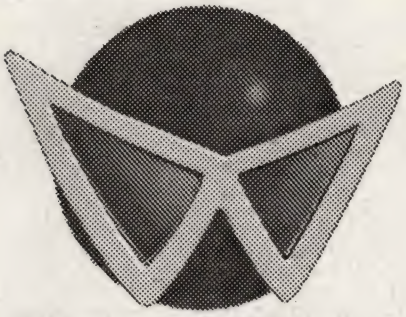
uShare enables Sun SPARCstations to function as fully-compatible AppleShare file servers. With uShare, Macintosh users can take advantage of the vast computing power and printing resources offered by the multitasking Unix operating system. With uShare and a Sun SPARCstation as a file server, Macintosh networks gain the capacity to store gigabytes of information, powerful PostScript printing resources, Unix mail access and much more. uShare's optional bidirectional print spooler enables AppleTalk and Ethernet printers to be accessed by both Mac and Sun users. And with the optional PrintQMgr, users can also view and monitor print queues, obtain print status and change print job priority. This allows users to delete, suspend and resubmit their own print jobs to any available printer on the network. Also, uShare's optional Unix mail module enables Macintosh users to send and receive mail messages using Unix mail. Because uShare was designed with the user in mind. Macintosh users access the Sun file server through the Chooser and see their files just as if they were using another Macintosh computer as a file server. From the Unix side, setup is very simple. uShare only requires the two simple steps of copying the software onto the workstation and starting the program.
$595 retail; license for one client only
$895 retail; license for five clients only
$1,395 retail; unlimited clients
$1,795 retail; unlimited clients (server)
Information Presentation Technologies, Inc.; 555 Chorro St., Ste. A; San Luis Obispo, CA 93405; 805-541-3000 or 805-541-3037 (fax)

Waterloo MacJanet 3.2
Network server that allows for shared applications and data, print spooling and electronic mail
Macintosh 512K or larger; 2 MB of RAM recommended; AppleTalk.

Waterloo MacJanet acts as a data server, a print server and a mail server. It is primarily designed for use with Macintosh workstations, though Apple IIGS and IBM PC workstations may also access the network server. Applications and data can be stored on a hard disk of the network server and shared by all the workstations. The number of concurrent users of an application can be limited, ensuring that only the licensed number of copies of an application are being run. The server tracks user activities, such as application, mail and print usage. Print service includes multiple LaserWriter and/or ImageWriter spoolers with feedback to the workstation, and LaserWriter page accounting. Users may communicate with each other through the use of messaging and electronic mail. For high-capacity network requirements, MacJanet supports multiple servers. For larger installations, MacJanet servers can be located on different networks, but still be accessible to any workstation through network bridges.
$1,595 U.S. retail; educational discount and site licensing available
Watnet Technologies, Inc.; 158 University Ave. W; Waterloo, Ontario, Canada N2L 3E9; 519-888-4624 or 519-888-0340 (fax)

Desktop Communications/ General Terminal Emulation

5PM Pro
GUI development environment
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.



5PM Pro is a powerful GUI development environment allowing users to create graphical front ends for terminal emulation-based host applications, as well as SQL-based client/server applications. 5PM Pro offers 5Talk, ASC's proprietary HyperTalk-like scripting language with full support for HyperCard XCMDs and XFCNs. The end user is given the ability to create palettes with graphical objects (i.e., buttons, icons, radio buttons, etc.). 5PM Pro allows users to integrate Legacy systems and client/server applications into one GUI desktop metaphor. 5PM Pro allows users to create a GUI interface that can be executed by ASC's 5PM Term terminal emulation product, which ships in different emulation modes, including: IBM-3270, IBM-3270TN, IBM-5250, IBM-5250TN, DEC-VT420, as well as Unisys, Bull and Honeywell connectivity.
$3,895 retail
ASC; 10601 S. De Anza Blvd., Ste. 105; Cupertino, CA 95014; 408-725-4242 or 408-725-4243 (fax)
FAX©NDEMAND 1-800-872-3293 **140 & 141**

5PM Term
Multisession communication application
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.

5PM Term is a powerful multisession communication application with full support for Apple's Communications Toolbox (i.e., connection, file transfer and terminal tools). 5PM Term enhances basic terminal emulation by offering a macro-command scripting environment to automate log-on procedures, attach macros to keyboard keys and define hotspots. In addition, 5PM Term acts as a runtime for any development realized with 5PM Pro, ASC's GUI development environment for front ending and client/server development. This makes 5PM Term one of the most versatile and evolutive terminal emulation products available for the Macintosh.

5PM Term + integrates in one single package emulation for: IBM mainframes implementing IBM-3270 over TCP/IP and SNA; IBM midrange AS/400 implementing IBM-5250 over TCP/IP and Token Ring; and Unix and DEC by implementing DEC-VT420 over TCP/IP, serial and LAT. In addition, 5PM Term + is shipped with IND$FILE, FTP client and Xmodem file transfer protocols.

5PM Term for AS/400 integrates in one single package emulation for IBM midrange AS/400 implementing IBM-5250 and 5250TN over TCP/IP and Token Ring, as well as FTP client and Xmodem file transfer protocols.

5PM Term for IBM Mainframe integrates in one single package emulation for IBM mainframes implementing IBM-3270 and 3270TN over TCP/IP and SNA, including Novell's NetWare for SAA gateway, as well as IND$FILE, FTP client and Xmodem file transfer protocols.

5PM Term for Unix/DEC integrates in one single package emulation for Unix and DEC hosts implementing DEC-VT420 over TCP/IP, serial and LAT, including Novell's NetWare for LAT gateway, as well as FTP client and Xmodem file transfer protocols.
$375 retail; 5PM Term +
$285 retail; 5PM Term for AS/400
$285 retail; 5PM Term for IBM Mainframe
$259 retail; 5PM Term for Unix/DEC
ASC; 10601 S. De Anza Blvd., Ste. 105; Cupertino, CA 95014; 408-725-4242 or 408-725-4243 (fax)
FAX©NDEMAND 1-800-872-3293 **140 & 141**

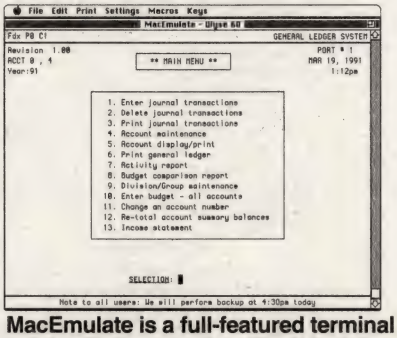
Cray Term For Macintosh
Terminal emulation
Macintosh SE or larger; 1 MB of RAM (2 MB recommended); System 6.0.4 or later.

Cray Term for Macintosh is an enhanced terminal emulation software module that enables a Macintosh to communicate with host systems (e.g., IBM, Digital and Unix hosts) via a local area network. Cray Term for Macintosh provides LAN communications according to the Open Systems Interconnection (OSI) standards. It enables up to 10 simultaneous communications sessions on an Ethernet. To simplify operation, resources on the network are accessed by using names. All sessions are user configurable, and the setup can be stored so repeated use with commonly accessed systems is easy. All standard Macintosh facilities, such as multiple window operation, copy and paste to and from a communications session and MultiFinder, are supported. Cray Term for Macintosh is based on the Macintosh Communications Toolbox, ensuring future compatibility, including System 7, as well as integration with future communications tools from Apple or third-party developers.
$245 retail
Cray Communications, Inc.; 9020 Junction Dr.; Annapolis Junction, MD 20701; 301-317-7710 or 301-317-7220 (fax)

CTAccess And MacMenlo
Terminal emulation; mainframe communications
Macintosh Plus or larger.

CTAccess and MacMenlo are emulation products for Tandem to Macintosh connectivity. Both support block-mode, as well as conversational. MacMenlo provides asynchronous connection. CTAccess supports an open communication environment by providing access to virtually all standard communication protocols: LAN, WAN, remote and async. CTAccess allows users to run multiple host sessions, simultaneously. Both CTAccess and Mac Menlo provide color, adjustable font sizes, command macros, user-defined menus and full Macintosh user interface features.
Call for pricing; volume discounts available
Menlo Business Systems, Inc.; 201 Main St.; Los Altos, CA 94022; 415-948-7920 or 415-949-6655 (fax)

MacEmulate
Terminal emulator for Wyse, TeleVideo, Hazeltine, ADDS Viewpoint, VT100 and Data General
Macintosh Plus or larger.



MacEmulate is a full-featured terminal emulator that connects a Macintosh to multiuser computers using any of the following terminal types: Wyse 60, 50, 30; TeleVideo 905, 910+, 912, 920, 925, 950, 955; Hazeltine 1500; ADDS Viewpoint; VT100; and Data General 200, 210, 410. It is compatible with some ADM, Link and Esprit models. The new version supports Apple's Communications Toolbox to allow file transfer and network connections (such as TCP/IP Telnet). It includes multiple terminal sessions, multiple settings files, phone directory/dialing features, color preferences, text scrollback, resizeable/scrollable terminal windows and screen/printing font choices. MacEmulate also supports advanced terminal features, such as 132 columns, multiple terminal pages, remote printing, programmable keys, graphic and multinational characters, terminal status and label lines and display attributes (reverse, underline, etc.). It contains extensive setup dialogs and preferences, macros, cut/copy/paste, copy as table, screen text capture to disk or Clipboard and full keyboard support. MacEmulate is System 7 compatible.
$199 retail
Cornerstone Data Systems; PO Box 6260; Anaheim, CA 92816; 714-772-5527 or 714-772-2838 (fax)

NFS/Share
Provides access to remote NFS servers
Macintosh Plus or larger; Ethernet cards.

NFS/Share is a solution for Macintosh users wanting to take advantage of distributed file sharing within a multivendor environment. A standards-based NFS client implementation, NFS/Share utilizes Apple Computer's MacTCP for speed and system compatibility. NFS/Share offers the following features and capabilities: access to remote NFS servers; support of AppleSingle/AppleDouble file formats for foreign files; automatic mounting of multiple servers at start up, plus multiple NFS-client mounting of a common directory; user authentication via any one of four authentication daemons (NIS, PCNFSD, PCNFSD2 or BWNFSD); user access via Chooser; easy to use and operate; unsurpassed access speed and throughput; and host-resident implementation, no additional hardware required.
$295 retail; user bundles, dealer and educational discounts available (call for a free 30-day demo copy)
InterCon Systems Corp.; 950 Herndon Pkwy., Ste. 420; Herndon, VA 22070; 703-709-5500, 800-468-7266 or 703-709-5555 (fax)

Opal Emulsions Plus
Terminal emulations
Macintosh Plus or larger; System 6.0 or later.

Opal Emulations Plus is the latest step in the evolution of the Opal family of connectivity products. The features of the three original products, the Opal Emulations package, the Opal Developer and the OpalXfer, have been combined into one dynamic product. The new package provides a powerful set of tools that allow users to integrate a variety of host environments with their Macintosh systems. Features include a wide range of terminal emulations, sophisticated data capture, template-driven copy and paste, file transfer, keyboard programming and scripting language. Communication can be set up by serial cable, modem, TCP/IP Telnet interface or the Apple Communications Toolbox. File transfer protocols include Text Mode, Xmodem, Ymodem, MacBinary, Kermit and a proprietary OpalXfer protocol, which supports multivalued data transfers.
$295 retail
Via Systems; 660 Southpointe Court, Ste. 200; Colorado Springs, CO 80908; 719-579-6820 or 719-576-7246 (fax)

PathWay Access
Provides Macintosh users with TCP/IP-based file transfer and terminal emulations
Macintosh Plus or larger.

PathWay Access provides Macintosh users with TCP/IP-based file transfer and terminal emulations. With PathWay Access, users can transfer files between the Macintosh and any other computer that supports the open standard TCP/IP protocols. PathWay Access includes terminal emulations for DEC VT100, VT220, VT240, VT320, VT330 and VT340 terminals, as well as IBM 3278 Model 2, 3, 4 and 5 mainframe terminals. With this extensive terminal support, users can run most any mini- or mainframe-based applications on their Macintosh, so long as the host system supports the TCP/IP standards. Such open standard software is available for DEC VAX/VMS systems, ULTRIX and other Unix systems, and IBM mainframes running VM or MVS.
$295 retail; single license
The Wollongong Group, Inc.; 1129 San Antonio Rd.; Palo Alto, CA 94303; 415-962-7100 or 415-969-5547 (fax)

PathWay Client NFS
Provides Macintosh users with TCP/IP-based file and printer sharing
Macintosh Plus or larger.

PathWay Client NFS provides Macintosh users with TCP/IP-based file and printer sharing using the NFS (Network File System) protocols. With PathWay Client NFS, users can store files and share information with NFS servers by simply adding software to the Macintosh; no gateways or other hardware is required. NFS server software is a standard feature of ULTRIX and other Unix systems and is available for DEC VAX/VMS systems and IBM mainframes running VM or MVS. PathWay Client NFS also includes an LPR server component, which makes the Apple LaserWriter available to other TCP/IP-based systems on the network without limiting access to AppleTalk users.
$295 retail; single license
The Wollongong Group, Inc.; 1129 San Antonio Rd.; Palo Alto, CA 94303; 415-962-7100 or 415-969-5547 (fax)

PlotView 3.4
HP plotter emulation
Macintosh 512KE or larger.

PlotView emulates popular Hewlett-Packard plotters, such as the HP7475 and HP7550, and allows users to capture data from scientific instruments and other computers directly (via the modem port of a Macintosh) or to interpret files of HP-GL commands that have been imported into a Macintosh in some other way. PlotView converts HP-GL (Hewlett-Packard Graphics Language) commands into a Macintosh screen image. Pictures produced by the program are object oriented and can be either saved for later manipulation or moved to the Clipboard. Because many programs that run on IBM PCs can produce HP-GL output, a key application of PlotView is to facilitate data transfer from a PC to a Macintosh. The program has the capability to retransmit captured plots back to an HP or HP-compatible plotter. It also supports batch mode file conversion.
$119.95 retail
Stevens Creek Software; 21346 Rumford Dr.; Cupertino, CA 95014; 408-725-0424

ProcessTerm
ISC-80001G terminal emulation
Macintosh Plus or larger.

ProcessTerm provides Intercolor-80001G and Intercolor-8820 terminal emulation. The complete communications toolbox support of ProcessTerm allows it to connect via any type of modem or network. It can run in a small background window, allowing users to work on other projects while keeping an eye on critical indicators. When ProcessTerm alerts a user, a single click fills the screen with complete information. One Macintosh can be used to run several terminal emulations (including DEC VT, Tek 4105, etc.) simultaneously. ProcessTerm supports all Macs in black and white and color, all Systems through 7.1 and all screen sizes from 9 to 32 inches. It comes complete with an online help system, as well as technical support.
$595 retail
Software Development Group; PO Box 18027; Boulder, CO 80308; 303-444-8789

SBMac
Connects the versatile world of Macintosh with the powerful world of System Builder
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.

With SBMac, users can enjoy the flexibility, creativity, imaging and screen building capabilities of System Builder on their host computers. And, with a simple click, connect these great features with the multitude of applications available on the Macintosh. Features include: transfer data, under host Basic commands, from the host to the Macintosh for use in Mac spreadsheets, databases, word processors and page-layout programs; display color pictures and movies on the Mac screen using the SB+ IMAGE command; browse through System Builder menus by clicking on the screen with the mouse; use System Builder's elegant shadow box screens; experience the fast screen updates of System Builder's Save/Restore feature; and utilize programmable, three-dimensional, push-button function keys. SBMac is System 7 compatible, 32-bit clean and supports Apple Events and QuickTime. In addition to System Builder, four other popular terminal emulators are included: Adds Viewpoint, Wyse 50, DEC VT101 and McDonnell Douglas Prism. "Enhance" Viewpoint mode is also supported.
Call for pricing
System Builder Technologies; 5901A Peachtree Dunwoody Rd., Ste. 550; Atlanta, GA 30328; 404-392-8370, 800-234-5728 or 404-392-8383 (fax)

TCP/Connect II
Fully-integrated TCP/IP networking package
Macintosh SE or larger; 2.5 MB of RAM (4 MB with System 7); appropriate LocalTalk gateway or Ethernet board; System 6.0.8 or later.

TCP/Connect II offers Macintosh or PCs all the functionality of TCP/IP connectivity with the easy-to-use interfaces of the Macintosh or Windows operating systems. Both versions provide terminal emulation with up to 20 simultaneous sessions, file transfer and user information features. They both offer full DEC VT240 emulation, including Regis graphics and regional/multinational character sets; the Windows version includes the VT320 emulation as well. Both versions also feature IBM tn3270 emulation and support both the IBM 3179-g graphics emulator and the 3278-2 through -5 series. The Mac version also provides the Tektronix 4010 and 4014 graphics terminal emulation, including zooming and panning, multiple fonts and copy/paste to graphics applications. TCP/Connect II contains full-featured FTP (File Transfer Protocol) client and server capability, allowing users to transfer files to and from their computer over a local TCP/IP network or the Internet. Both the Mac and Windows versions contain electronic news and mail services, including MIME support for Windows. TCP/Connect II operates over LocalTalk, Ethernet, Token Ring or SLIP.
$495 retail; TCP/Connect II-Extended for Mac, TCP/Connect II for Windows
$295 retail; TCP/Connect II-VT for Mac or TCP/Connect II-3270 for Mac
$195 retail; TCP/Connect II-Basic for Mac
User bundles and discounts available (call for a free 30-day demo copy)
InterCon Systems Corp.; 950 Herndon Pkwy., Ste. 420; Herndon, VA 22070; 703-709-5500, 800-468-7266 or 703-709-5555 (fax)

Term For Macintosh
Communications software
Macintosh Plus or larger.

Term sets the access standard for serial and modem communications between almost any computer system in the world. It is complete, universally compatible communications software that gives users exact terminal emulation for interactive access. It provides exact emulations of VT220, VT100/102, SCO Color Console, ANSI, Wyse 50, Wyse 60 and nine other terminals on any physical display device. It also expands standard emulation features to include fully remappable keyboard capability, color support, 132 columns, transparent print, graphics line draw and multinational character support. Other features include: provides keystroke-for-keystroke compatibility across 15 operating systems; file transfer using a choice of any of nine public domain or proprietary protocols; and gives users Term Script Language, a fourth-generation tool for powerful, reliable automation of communications sessions, including polling and remote file transfer applications.
$195 retail
$649 retail; A/UX version
Century Software; 5284 South 320 West, Ste. C-134; Salt Lake City, UT 84107; 801-268-3088

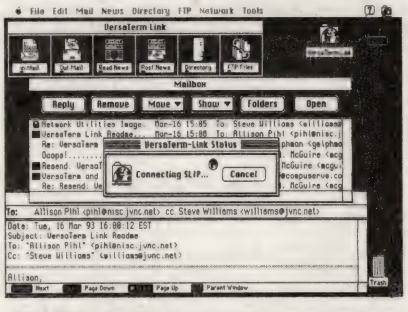
TextTerm+Graphics (Tekalike Version 3)
DEC VT100, Tektronix 4014, 4105, 4107, 4125 terminal emulation; mainframe communications; file transfers; built-in editor for electronic mail
Macintosh Plus or larger; System 6.0 or later.

TextTerm+Graphics supports background file transfers with MultiFinder and is a fast, flexible DEC VT100 text terminal emulator, as well as a Tektronix 4014 and 4105 graphic terminal emulator. Text and graphic displays may be combined or separated and large screens and color are supported. VT100 emulation supports character attributes (tabs, bold, underline, etc.), reverse scrolling, selection of text or tables for editing or saving and printing. With the built-in editor, a file can be opened, edited, saved and sent via electronic mail. Incoming mail can be captured, edited and resent. Tektronix emulation provides for the transfer of graphics from a mainframe to a Macintosh in MacPaint or MacDraw format for word processing or desktop publishing. High-quality printing and color plotting on Apple, Houston Instruments or Hewlett-Packard plotters is supported. Enhancements include 256 colors, windows, viewports compatible with the 4107, 4125 and 411x color terminals and supports the Apple Communications ToolBox.
$195 retail; low-cost upgrades available to registered owners
Mesa Graphics, Inc.; PO Box 600; Los Alamos, NM 87544; 505-672-1998

TGRAF-07/MAC
Tektronix graphics terminal emulation
Macintosh SE/30 or larger; 2 MB of RAM; 256-color card; System 6.0.2 or later.

Grafpoint's terminal emulation software gives users the power of a Tektronix Graphics Terminal using a Macintosh computer. With TGRAF-07/MAC, the Macintosh can communicate with a host through a serial port or over a TCP/IP network, enabling users to run thousands of mainframe applications that previously required a dedicated graphics terminal. TGRAF allows users to choose between the familiar Macintosh interface or the standard Tektronix set-up screen. On-screen selectable features make using a graphics terminal an intuitive task. TGRAF-07/MAC emulates Tektronix 4010, 4014, 4106/7 and 4109 models and DEC VT52, VT100 and VT102 alphanumeric terminals.
$995 retail
Grafpoint, Inc.; 1485 Saratoga Ave.; San Jose, CA 95129; 800-426-2230 or 408-446-0666 (fax)

VersaTerm-Pro 5.0
Terminal emulations, file transfers, networking services
Macintosh Plus or larger; LocalTalk, Ethernet, modem or direct connect.



VersaTerm-Pro is a broad-based communications application combining high-quality, industry standard terminal emulations and the VersaTilities suite of network connections. The terminal emulations include: DEC VT100/VT220, Data Generals D210/D211 both with multiple sessions, plus Tektronix 4014/4015 color graphics emulations. The VersaTilities TCP/IP client suite focuses on exchanging data over Internet using a

smoothly integrated graphical interface for accessing mail, news, directory, Telnet and file transfers. With the VersaTerm SLIP extension, users transport TCP/IP data over a modem. Users can read mail, compose replies and create new mail messages all with or without a network connection. When users utilize dial-up via SLIP, a one-step command can automatically establish their connection, send their mail, check for new mail and disconnect. Users can subscribe to their favorite news groups, quickly connect and read items of interest. A unique feature allows users to download selected news items from anywhere in the world with the same ease as from their local Macintosh. Common host configurations are saved for convenient repetitive use. The tools and INITs provided by VersaTerm-Pro include: MacTCP (TCP/IP), VersaTerm-SLIP client, Time (client and server), VersaTerm-Server with up to 24 output ports, and Telnet with up to eight simultaneous sessions. File transfer protocols include Xmodem, Ymodem, Zmodem, Kermit and FTP (client and server). LAT, ADSP, modem and serial tools are also included.
$295 retail
Synergy Software; 2457 Perkiomen Ave.; Reading, PA 19606; 610-779-0522 or 610-370-0548 (fax)

Vicom MultiTerm
Terminal emulation/communications
Macintosh Plus, PowerPC or larger; System 6.0.5 or later (System 7.1.2 or later with PowerPC).

Vicom MultiTerm is a professional terminal emulation and communication package. Vicom MultiTerm includes VT420, VT320, VT220, VT102/100/52, Adds Viewpoint 50, DG211, ANSI, TTY, Videotex Minitel/Teletel and Videotex Prestel. Vicom MultiTerm has standard scripting with 110+ macro commands and the unique Vicom graphical interface editor, which allows the design of buttons, windows and menus for host-specific interfacing. Connections can be made using Vicom drivers, TCP/IP, LAT, Apple's Communication Toolbox (CTB) connection tools and Serial. FTP Client and FTP Server software is included.
$245 retail
Vicom Technology; 107-319 West Pender St.; Vancouver, BC, Canada V6B 1T4; 604-684-9517 or 604-684-9519 (fax)

Vicom MultiTerm Plus
Terminal emulation/communications
Macintosh Plus, PowerPC or larger; System 6.0.5 or later (System 7.1.2 or later with PowerPC).

Vicom MultiTerm Plus is a professional terminal emulation and communication package. Vicom MultiTerm Plus includes SNA•ps 5250 and SNA•ps 3270, TN5250, TN3270, VT340 & VT241 (ReGIS), VT420, VT320, VT220, VT102/100/52, VIP7800, WP VIP7824, WYSE 60, WYSE 50, SCO ANSI, ANSI, TV1950, TV1925, DG410, DG211, MCG3101, Adds Viewpoint 50, TTY, Videotex Minitel/Teletel and Videotex Prestel. Vicom MultiTerm Plus has standard scripting with 110+ macro commands and the unique Vicom graphical interface editor, which allows the design of buttons, windows and menus for host-specific interfacing. Connections can be made using Vicom drivers, TCP/IP, LAT, Apple's Communication Toolbox (CTB) connection tools and Serial. FTP Client and FTP Server software is included.
$295 retail
Vicom Technology; 107-319 West Pender St.; Vancouver, BC, Canada V6B 1T4; 604-684-9517 or 604-684-9519 (fax)

Vicom Pro
Terminal emulation/communication
Macintosh Plus, PowerPC or larger; System 6.0.5 or later (System 7.1.2 or later with PowerPC).

Vicom Pro provides a powerful communication development environment in which to create Macintosh front ends to corporate host systems. By using Vicom's unique interface editor in conjunction with Vicom's SuperScript language, applications can be created for use with Vicom RunTime and Vicom MultiTerm. Features include a project manager with run-time debugger, support for Publish and Subscribe, AppleEvents, AppleScript and XCMDs. Vicom Pro includes terminal emulations for SNA•ps 5250 and SNA•ps 3270, TN5250, TN3270, VT340 & VT241 (ReGIS), VT420, VT320, VT220, VT100/52, VIP7800 WP VIP7824, WYSE 60, WYSE 50, SCO ANSI, ANSI, TV1950, TV1925, DG410, DG211, MCG3101, Adds Viewpoint 50, TTY, Videotex Minitel/Teletel and Videotex Prestel. Connections can be made using Vicom drivers, TCP/IP, LAT, Apple's Communication Toolbox (CTB) connection tools and Serial. FTP Client and FTP Server are included.
$495 retail
Vicom Technology; 107-319 West Pender St.; Vancouver, BC, Canada V6B 1T4; 604-684-9517 or 604-684-9519 (fax)

Vicom RunTime
Terminal emulation/communications
Macintosh Plus, PowerPC or larger; System 6.0.5 or later (System 7.1.2 or later with PowerPC).

Vicom RunTime is the entry-level product to Vicom MultiTerm or Vicom Pro, part of the comprehensive family of communication packages for the Macintosh from Vicom Technology. Terminal emulations in Vicom RunTime include VT420, VT320, VT220, VT102/100/52, Adds Viewpoint 50, DG211, ANSI, TTY, Videotex Prestel and Videotex Minitel/Teletel. Connections can be made using Vicom drivers, TCP/IP, LAT, Apple's Communication Toolbox (CTB) connection tools and Serial. Vicom RunTime can be used as a run-time module for projects, buttons, menus and scripts created using Vicom MultiTerm or Vicom Pro. FTP Client and FTP Server software is available.
$195 retail
Vicom Technology; 107-319 West Pender St.; Vancouver, BC, Canada V6B 1T4; 604-684-9517 or 604-684-9519 (fax)

Vicom RunTime Plus
Terminal emulation/communications
Macintosh Plus, PowerPC or larger; System 6.0.5 or later (System 7.1.2 or later with PowerPC).

Vicom RunTime Plus is the entry-level product to Vicom MultiTerm Plus or Vicom Pro, part of the comprehensive family of communication packages for the Macintosh from Vicom Technology. Terminal emulations in Vicom RunTime Plus include SNA•ps 5250 and SNA•ps 3270, TN5250, TN3270, VT340 & VT241 (ReGIS), VT420, VT320, VT220, VT100/52, VIP7800, WP VIP 7824, WYSE 60, WYSE 50, SCO ANSI, ANSI, TV1950, TV1925, DG410, DG211, MCG3101, Adds Viewpoint 50, TTY, Videotex Minitel/Teletel and Videotex Prestel. Connections can be made using Vicom drivers, TCP/IP, LAT, Apple's Communication Toolbox (CTB) connection tools and Serial. Vicom RunTime Plus can be used as a run-time module for projects, buttons, menus and scripts created using Vicom MultiTerm Plus or Vicom Pro. FTP Server and Client software is available.
$245 retail
Vicom Technology; 107-319 West Pender St.; Vancouver, BC, Canada V6B 1T4; 604-684-9517 or 604-684-9519 (fax)

Desktop Communications/ Macintosh To Basic-Four

Mac/B4
Macintosh to Basic-Four terminal emulation
Macintosh Plus or larger.

Mac/B4 is a software modification that allows a Macintosh to directly replace a standard Basic-Four terminal. No hardware changes are necessary to run Mac/B4, just connect the Macintosh to the Basic-Four data cable with proper wiring and start up Mac/B4. Mac/B4 allows users many added features to work with over a standard terminal, and allows users to work with a Basic-Four system and have the Macintosh user interface and all its assets. User may select many different parameter settings other than those needed to work with the Basic-Four. Because of this, Mac/B4 may be used as a general-purpose communications program, as well as an interface to the Basic-Four. Full file transfers between the Macintosh and Basic-Four, as well as slave printing, are supported. It will also work with all Business Basic-compatible machines.
$250 retail
GMS Development; 33 Eliot Hill Rd.; South Natick, MA 01760; 508-651-3618 (phone/fax)

Desktop Communications/ Macintosh To Burroughs

Contact V2.17
Burroughs terminal emulation
Macintosh Plus or larger.

Contact is a Burroughs TD/MT/ET terminal emulation program that also supports IBM 3270, VT100 and TTY. It offers sophisticated data capture, monitor-mode soft keys, multiple pages and multiple addresses. CANDE and Xmodem file transfer are supported.
$295 retail
Avenue Software, Inc.; 2162 Charest Blvd. W; Sainte-Foy, Quebec, Canada G1N 2G3; 418-682-3088 or 418-681-1055 (fax)

FlexCom — alsT27 Poll/Select Terminal Tool
Enables Macintosh computers to emulate Unisys Poll/Select terminals
Macintosh Plus or larger; System 6 or 7 with CTB application.

FlexCom is a software architecture designed by Air Land Systems for Apple Macintosh users. The design is based on Apple's Communications Toolbox (CTB). FlexCom allows for standardized modular software products (Tools) to be linked together for easy configuration and operation in a user's application. FlexCom provides for an extremely flexible mode of communication, allowing users to design various applications, interconnect to one or more Host/Mainframe computers and/or transfer data. The alsT27 Poll/Select Terminal Tool enables Macintosh computers to emulate Unisys Poll/Select terminals while maintaining Apple's user friendly interface. This feature rich emulator allows users to enter data, customize text displays, as well as transfer, save and print files. It has tear-off command and function boxes, giving users the flexibility to arrange the boxes in a style that best suits the way they work.
$125 retail
Air Land Systems Corp.; 2710 Prosperity Ave.; Fairfax, VA 22031; 703-573-1100, 800-247-5263 or 703-573-0121 (fax)

Desktop Communications/ Macintosh To Data General

FrontEnd
Macintosh mainframe communications with user interface utility for host software; Data General D210, D211, D214, D215, D216 or D410 and VT100 terminal emulation
Macintosh 512K or larger.

FrontEnd provides a Macintosh interface for minicomputers and mainframes. Using simple command codes similar to terminal commands, the host can control multiple windows, send data to any of the windows, resize windows and more. There are two different window formats available to the host application. The host can send data to "List Windows," grid-like windows similar to spreadsheets or databases that support full scrolling and selection according to the Macintosh User Interface Guidelines. It also allows the host to create "Text Windows" of free-form copy utilizing the standard Macintosh text-editing interface. The basic terminal emulation features of the program include Data General D210, DEC VT100 and TTY emulation, macros, file transfers and function-key templates.
$179 retail
Kaz Business Systems; 10 Columbus Cir., Ste. 1620; New York, NY 10019; 212-757-9566 or 212-265-9248 (fax)

Desktop Communications/ Macintosh To DEC

5PM Term
Multisession communication application
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.

These Products Available Through Bottom Line Distribution
1-800-347-1923

5PM Term is a powerful multisession communication application with full support for Apple's Communications Toolbox (i.e., connection, file transfer and terminal tools). 5PM Term enhances basic terminal emulation by offering a macro-command scripting environment to automate log-on procedures, attach macros to keyboard keys and define hotspots. In addition, 5PM Term acts as a runtime for any development realized with 5PM Pro, ASC's GUI development environment for front ending and client/server development. This makes 5PM Term one of the most versatile and evolutive terminal emulation products available for the Macintosh.

5PM Term + integrates in one single package emulation for: IBM mainframes implementing IBM-3270 over TCP/IP and SNA; IBM midrange AS/400 implementing IBM-5250 over TCP/IP and Token Ring; and Unix and DEC by implementing DEC-VT420 over TCP/IP, serial and LAT. In addition, 5PM Term + is shipped with IND$FILE, FTP client and Xmodem file transfer protocols.

5PM Term for AS/400 integrates in one single package emulation for IBM midrange AS/400 implementing IBM-5250 and 5250TN over TCP/IP and Token Ring, as well as FTP client and Xmodem file transfer protocols.

5PM Term for IBM Mainframe integrates in one single package emulation for IBM mainframes implementing IBM-3270 and 3270TN over TCP/IP and SNA, including Novell's NetWare for SAA gateway, as well as IND$FILE, FTP client and Xmodem file transfer protocols.

5PM Term for Unix/DEC integrates in one single package emulation for Unix and DEC hosts implementing DEC-VT420 over TCP/IP, serial and LAT, including Novell's NetWare for LAT gateway, as well as FTP client and Xmodem file transfer protocols.
$375 retail; 5PM Term +
$285 retail; 5PM Term for AS/400
$285 retail; 5PM Term for IBM Mainframe
$259 retail; 5PM Term for Unix/DEC
ASC; 10601 S. De Anza Blvd., Ste. 105; Cupertino, CA 95014; 408-725-4242 or 408-725-4243 (fax)
FAX©NDEMAND 1-800-872-3293 **140 & 141**

asc420
Provides DEC VT420 terminal emulation
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.

asc420 is a terminal emulation tool. It provides DEC VT420 terminal emulation and can be used by any communications application that works with the Communications Toolbox. Full key mapping lets users choose a character set for the keyboard and use DEC keys even if they do not appear on the Macintosh keyboard. Visual indicators are available to replace the indicators that usually appear on the DEC keyboard. These indicators show when the terminal is online, using local echo, pausing while users read text that is being written to the screen and waiting for the host.
$95 retail
Sysnet Corp.; 5301 Wisconsin Ave. NW, Ste. 640; Washington, DC 20015; 202-686-5515, 800-683-5515 or 202-686-6992 (fax)

eXodus
Rootless/rooted color X-Window System display server
Any Macintosh; 4 MB of System RAM; 2 MB of application RAM; hard disk drive.

eXodus is an X Window System display server for the Macintosh. Whether users use a Classic or a Quadra, eXodus for the Macintosh seamlessly delivers host-based X applications to the user's Macintosh desktop. Based on Release 5 of the X Window System, eXodus supports all the latest industry standards and takes users far beyond the limitations of an X terminal. Powerful features include: built-in FTP file transfer support, complete printing capabilities, XDMCP support, networked font server support and copy/paste between Macintosh and X applications. Monochrome, as well as color X screens are supported with three window management options: rooted (remote) and rootless (Macintosh or MOTIF). Special integration support for Sun's OpenWindows, Digital's DECWindows and MOTIF environments is included, as well as all the networking software required for DECnet and TCP/IP connections. eXodus is also available for the Microsoft Windows and DOS platform.
$295 retail; site licenses, multiuser packs and other special discount programs are available
White Pine Software, Inc.; 40 Simon St., Ste. 201; Nashua, NH 03060; 603-886-9050, 800-241-7463 or 603-886-9051 (fax)

FlexCom — asc VT-420 Terminal Tool
Enables Macintosh computers to emulate DEC/Unix terminals
Macintosh Plus or larger; System 6 or 7 with CTB application.

FlexCom is a software architecture designed by Air Land Systems for Apple Macintosh users. The design is based on Apple's Communications Toolbox (CTB). FlexCom allows for standardized modular software products (Tools) to be linked together for easy configuration and operation in a user's application. FlexCom provides for an extremely flexible mode of communication, allowing users to design various applications, interconnect to one or more Host/Mainframe computers and/or transfer data. The asc VT-420 Terminal Tool enables Macintosh computers to emulate DEC/Unix terminals while maintaining Apple's user friendly interface. This feature rich emulator allows users to enter data, customize text displays, as well as transfer, save and print files. It also has DEC to Macintosh keyboard mapping.
$125 retail
Air Land Systems Corp.; 2710 Prosperity Ave.; Fairfax, VA 22031; 703-573-1100, 800-247-5263 or 703-573-0121 (fax)

Graphical Systems Manager (GSM)
VAX system and network management
Macintosh Plus or larger.

Graphical Systems Manager (GSM) allows the management of networked VAX and Unix machines from a Macintosh or X-Windows Display Server (VAX station). All pull-down menus, dialog boxes and command functions are determined by a user. GSM allows the system manager to treat groups of VAXs as a single management domain. Grouping can be by node, cluster or any user-determined configuration. GSM will notify the system manager of any system or network shutdowns and will automatically reconnect to a remote system when it returns online. Each user of GSM can have customized menus, windows and command sets. Command, window and dialog definitions can be shared with other users or combined with private or group definitions. GSM allows users to select processes, batch jobs, network lines and other user-defined items with a click of the mouse. Once one or more items have been highlighted in a Macintosh window, commands can be performed on this set of items with a single pull-down menu on many VAX nodes. A user can request confirmation before a command is performed. Twenty-eight simultaneous windows of VAX information can be opened. A user is free to resize, move or close them with the mouse. Windows can be updated at a user's request or at regular time intervals.
$995 and up retail; price based on VAX size and number of nodes
Integrated Solutions, Inc.; 1020 8th Ave.; King of Prussia, PA 19406; 215-660-0781 or 215-664-3646 (fax)

Mac320
DEC VT320 text-only terminal emulation
Any Macintosh; hard disk drive; 600K of application memory.

The Mac300 Series is a complete family of DEC VT300 Series emulation software for the Macintosh. Mac320 turns a Macintosh into a VT320 text-only terminal. While true VT320 terminals provide only monochrome support, Mac320 adds color text and background capabilities for those with color monitors. Mac320 is capable of running multiple sessions and is System 7 compatible. Users can choose from FTP, Xmodem, Ymodem and Kermit to perform protocol file transfers. White Pine's emulators provide fast, reliable network connections to any VAX or Unix host computer and come complete with the necessary software for making LAT, TCP/IP, direct serial or modem connections. Mac320 comes with QuicKeys Lite for automated logon and "The Power of Macros."
$199 retail; site licenses, multiuser packs and other special discount programs are available
White Pine Software, Inc.; 40 Simon St., Ste. 201; Nashua, NH 03060; 603-886-9050, 800-241-7463 or 603-886-9051 (fax)

Mac320 Lite
DEC VT320 text-only terminal emulation
Any Macintosh; hard disk drive; 600K of application memory.

The Mac300 Series is a complete family of DEC VT300 series emulation software for the Macintosh. Mac320 Lite provides the same full-featured terminal emulation for text as White Pine's Mac320 connectivity software package. It is called Lite because it includes only that communications software required for standard serial line connections. With Mac320 Lite, Macintosh users can connect to a host using a direct serial line or modem and take full advantage of the features of both the Macintosh and host computer. While true VT320 terminals provide only monochrome support, Mac320 adds color text and background capabilities for those with color monitors.
$99 retail; site licenses, multiuser packs and other special discount programs are available
White Pine Software, Inc.; 40 Simon St., Ste. 201; Nashua, NH 03060; 603-886-9050, 800-241-7463 or 603-886-9051 (fax)

Mac330
DEC VT330 text and graphics terminal emulation
Any Macintosh; hard disk drive; 700K of application memory.

The Mac300 Series is a complete family of DEC VT300 Series emulation software for the Macintosh. Mac330 turns a Macintosh into a VT330 text and monochrome graphics terminal. Mac330 emulation supports ReGIS, SIXEL and Tektronix 4010/4014 graphics. While true VT330 terminals provide only monochrome support, Mac330 adds color text and background capabilities for those with color monitors. Mac330 is capable of running multiple sessions and is System 7 compatible. Users can choose from FTP, Xmodem, Ymodem and Kermit to perform protocol file transfers. White Pine's emulators provide fast, reliable network connections to any VAX or Unix host computer and come complete with the necessary software for making LAT, TCP/IP, direct serial or modem connections. Mac330 comes with QuicKeys Lite for automated logon and "The Power of Macros."
$249 retail; site licenses, multiuser packs and other special discount programs are available
White Pine Software, Inc.; 40 Simon St., Ste. 201; Nashua, NH 03060; 603-886-9050, 800-241-7463 or 603-886-9051 (fax)

Mac340
DEC VT340 text and color graphics terminal emulation
Any Macintosh; hard disk drive; 1,100K of application memory.

The Mac300 Series is a complete family of DEC VT300 Series emulation software for the Macintosh. Mac340 turns a Macintosh into a VT340 text and color graphics terminal. ReGIS, SIXEL and Tektronix 4010/4014 graphics are supported by Mac340, with color capabilities for graphics and text. Mac340 is capable of running multiple sessions and is System 7 compatible. Users can choose from FTP, Xmodem, Ymodem and Kermit to perform protocol file transfers. White Pine's emulators provide fast, reliable network connections to any VAX or Unix host computer and come complete with the necessary software for making LAT, TCP/IP, direct serial or modem connections. Mac340 comes with QuicKeys Lite for automated logon and "The Power of Macros."
$349 retail; site licenses, multiuser packs and other special discount programs are available
White Pine Software, Inc.; 40 Simon St., Ste. 201; Nashua, NH 03060; 603-886-9050, 800-241-7463 or 603-886-9051 (fax)

NAServer Administrator
Makes Pathworks administration quick and easy
Macintosh LC or larger (client); Pathworks for Macintosh 1.0 or later; System 6.0.5 or later; VAX server; VMS OS 5.3 or later; Pathworks for VMS 4.0 or later.

NAServer Administrator is a client/server software package that allows network managers to administer

Digital Equipment Corp.'s Pathworks servers from either a Macintosh or Windows-based workstation. The software package is designed to provide an easy-to-use, point-and-click graphical user interface to support Digital's PC and Macintosh Pathworks LAN services without having to use the complex VMS DCL command structure. NAServer Administrator uses the DECnet protocol and a Macintosh or Windows-based PC to access a Pathworks server via Ethernet or LocalTalk. The interface allows users to add, change or delete users, change security access for directories and folders and manipulate print queues and services.
$1,990 starting price retail; one to 20 users per server
Webster Computer Corp.; 2109 O'Toole Ave., Ste. J; San Jose, CA 95131; 408-954-8054, 800-457-0903 or 408-954-1832 (fax)

PacerConnect
Terminal services for VMS
Macintosh Plus or larger; System 6.0.4 or later; any VAX running VMS 5.4 or later.

PacerConnect is a terminal emulation and file transfer package that takes advantage of Apple's standard AppleTalk Data Stream Protocol (ADSP). When used with any Macintosh Communications Toolbox application, such as PacerTerm, users can connect to multiple VAXes over any AppleTalk network with fast, reliable results. PacerConnect offers significant performance advantages over LAT for all file transfers. ADSP connection and PacerFT file transfer tools are included for the Macintosh, along with ADSP terminal server and file transfer server software for the VMS host. This solution is fully integrated with the host file transfer software. PacerConnect also supports transfers using industry standard protocols: Zmodem, Xmodem and Kermit. Users select their VMS host with familiar Chooser-like commands; there's no need to configure complicated IP addressing. Network administration is transparent, easy and reliable.
$2,000 per host retail;(free with 25 copies of PacerTerm) supports unlimited number of users
Pacer Software, Inc.; 1900 West Park Dr., Ste. 280; Westborough, MA 01581; 508-898-3300, 800-722-3702 or 508-366-1356 (fax)

Path/Remote 2.2
Macintosh to VAX/VMS connectivity product
VAX; Macintosh Plus or larger; AppleTalk for VMS 3.0; System 7 and ARA 2.0, VMS 5.4-3 or later.

Path/Remote is VAX-based software that allows Macintosh users to dial into a VAX/VMS system and use Mac to VAX connectivity products, such as DEC PathWorks For Macintosh over ordinary asynchronous terminal lines. Because Path/Remote is based on Apple's AppleTalk for VMS, it also allows a client Macintosh to communicate with all of the AppleTalk-based facilities in the entire organization through the VAX host. For users connected locally over dedicated, asynchronous lines, Path/Remote offers low-cost AppleTalk networking using their existing VAX terminal port hardware. It also delivers AppleTalk services to Macintosh users — including users of the Macintosh PowerBook — over ordinary dial-up lines, using existing modem equipment.
Call for pricing; priced by number of concurrent users
Computer Methods Corp.; 525 Rte. 73 South, Ste. 300; Marlton, NJ 08053; 800-969-4360 or 609-596-4362 (fax)

Reflection 2 Plus For The Macintosh
VT320 terminal emulation
Macintosh Plus or larger.

Reflection 2 Plus offers Macintosh users access to data and applications on Digital VAX or Unix-based host computers. It can be used for accurate VT320, VT220, VT120 or VT52 terminal emulation from a Macintosh. Reflection 2 will display up to 132 columns and double-high, double-wide characters. Reflection's proprietary, high-speed file transfer allows users to share files with Digital VAX or Unix-based computers. Kermit and Xmodem support is also included. Direct and modem connections are supported, as well as network connections over Pacer and Alisa. Reflection 2 Plus includes Apple's Communications Toolbox and basic connection tools. Alternate data paths, such as TCP/IP, Telnet and Digital's LAT are supported. The Plus feature offers the ability to back up Macintosh files to the host. Now with multisession capability.
$229 retail
Walker Richer & Quinn, Inc.; 1500 Dexter Ave. N; Seattle, WA 98109; 206-217-7500, 800-872-2829 or 206-217-0293 (fax)

Reflection 4 Plus For The Macintosh
VT340, VT330, VT320, VT241, VT240, VT220, VT102 or VT52 emulation
Any color-capable, 68020 or larger Macintosh; color or gray-scale monitor.

Reflection 4 Plus for the Macintosh offers complete VT340 graphics emulation. Support is provided for ReGIS 16-color and Sixel graphics. Reflection's proprietary, high-speed file transfer allows users to share files with Digital VAX or Unix-based computers. Kermit and Xmodem support is also included. Apple's Communications Toolbox and basic connection tools are also supplied. Direct and modem connections are supported, as well as network connections over Pacer and Alisa. Alternate data paths, such as TCP/IP, Telnet and Digital's LAT are supported. The Plus feature offers the ability to back up Macintosh files to the host.
$329 retail
Walker Richer & Quinn, Inc.; 1500 Dexter Ave. N; Seattle, WA 98109; 206-217-7500, 800-872-2829 or 206-217-0293 (fax)

SequeLink
SQL connectivity software
Macintosh Plus or larger; 2 MB of RAM; System 6.0 or later.

SequeLink is a unique software product called Client/Server middleware. It is a comprehensive software solution that provides direct, transparent SQL access to data and services from within a wide range of client applications. SequeLink offers connectivity solutions to Oracle, DB2, SQL/DS, Ingres, Sybase, AS/400, Informix, Rdb, OS/2 DBM, SQL server, Supra, Progress, Adabas, System 1032, Interbase, Teradata and more running on Unix, VMS, MVS, VM, OS/2 and AS/400. SequeLink supports the following protocols on Macintosh: AppleTalk, DECnet, APPC (SNAPS) and TCP/IP (Mac TCP). Some of the client applications that are supported on Macintosh include: GQL, Omnis 7, Data Prism, Cross Target, Excel, Clear Access, Kappa PC, Wingz, Smalltalk and 4th Dimension. A C library is also available for custom application development. SequeLink enables a wide range of tools and environments with client/server functionality. This leaves a user free to select the optimum information management components, regardless of inherent client/server capabilities.
$220 per client retail; volume discounts are available
TechGnosis, Inc.; 5 Burlington Woods Dr., Ste. 202; Burlington, MA 01803; 617-229-6100 or 617-229-0557 (fax)

TSSnet
Allows a Macintosh to function in a DEC networking environment as a DECnet end node
Macintosh with 2 MB of RAM; System 7.0 or later.

TSSnet for Macintosh provides the Macintosh with a direct connectivity link between Macintosh computers, Unix systems with TSSnet and DEC VAX/VMS machines, enabling the Macintosh to communicate in a DECnet networking environment an end node. TSSnet for Macintosh also allows any Mac to function as a DECnet Level 1 Router, and offers LAT terminal capabilities for any Mac configured for Ethernet. Also provided is the ability to create network virtual disks on remote DECnet or TSSnet nodes. By using container files for virtual disk access, the remote DECnet systems require no special hardware or software to utilize this feature. TSSnet for Macintosh DECnet services include bi-directional file transfer, remote backup, user name and password protection and full wildcard specifications. TSSnet electronic mail capabilities allow bi-directional, window-based message editing and link the VMS Mail-11, ALL-IN-1, Unix and Mac Mail systems. Full support of the Macintosh Communications Toolbox includes LAT, CTERM and DECnet task-to-task capabilities. Also featured in TSSnet for Macintosh are White Pine Software's newly enhanced Mac320 terminal emulator, as well as network management monitoring and troubleshooting tools.
$295 retail
Thursby Software Systems, Inc.; 5840 W. Interstate 20, Ste. 100; Arlington, TX 76017; 817-478-5070 or 817-561-2313 (fax)

Desktop Communications/ Macintosh To Hewlett-Packard

DeskDirect
Allows Reflection users to distribute Macintosh files through HPDeskManager
Macintosh 512K or larger; Reflection 1 Plus or 3 Plus for the Macintosh V3.2 or later; HP 3000.

DeskDirect is a file transfer utility that works with HP's DeskManager to direct files between the HP 3000 and Macintosh. DeskDirect's commands are executed from within DeskManager, HP's electronic mail system. DeskDirect saves users time by sending a file directly from HP Desk without the need to access MPE. The file transfer is performed by either Reflection 1+ or 3+ for the Macintosh, terminal emulation software. HP Desk takes care of the addressing and distribution of the file. Reflection's accurate and fast file transfer allows users to send, receive and print all kinds of files through DeskManager.
$99 retail; per Mac
$500 retail; per HP3000 host
Walker Richer & Quinn, Inc.; 1500 Dexter Ave. N; Seattle, WA 98109; 206-217-7500, 800-872-2829 or 206-217-0293 (fax)

Mac-3000
Hewlett-Packard 2392, DEC VT100 and IBM 3278 terminal emulation; file transfers
Macintosh 512K or larger.

Mac-3000 provides full HP block-mode and Hewlett-Packard HP-2392A, DEC VT100, IBM 3278 and TTY terminal emulations. The program offers file-transfer capabilities for uploading and downloading ASCII and Binary files, as well as the ability to communicate with a variety of computer and electronic information services. Other features include: 70-page display memory; extensive local printing and editing; extended screen memory; user defined on-screen function keys; HP screen enhancements; auto-dialing; default configurations; telephone number storage; support of the AppleTalk network and LaserWriter; and more.
$150 retail
International Computer Consultants; 1311 Clegg St.; Petaluma, CA 94952; 707-765-9200 or 707-765-1231 (fax)

MacLinkPlus/HP Palmtop
Bi-directional file translation
Macintosh Plus or larger; System 6.0.3 or later; 1 MB of RAM.

MacLinkPlus/HP Palmtop is the complete solution for translating, transferring or simply backing up files between the users Palmtop and Macintosh. With a file translation library of more than 100 combinations, users can convert their Memo, Lotus 1-2-3, Appointment Book, Phone Book, NoteTaker and Database files to and from the most popular word processing, spreadsheet, database and PIM file formats for the Macintosh. MacLinkPlus also includes Phone Book and Appointment Book equivalent Macintosh file templates for such applications as Microsoft Works, Microsoft Excel and FileMaker Pro. In addition, intermediate file formats like SYLK can be used to translate and exchange files with various applications, such as FileMakerPro and TouchBase. Serial cable and communications software are included.
$129 retail
DataViz, Inc.; 55 Corporate Dr.; Trumbull, CT 06611; 203-268-0030, 800-733-0030 or 203-268-4345 (fax)

NS Connection For The Macintosh
Provides connectivity between Macintoshes and an HP 3000
Macintosh Plus or larger; 1 MB of RAM; Reflection 1 Plus or 3 Plus for the Macintosh.

The NS Connection works with Apple's MacTCP as a connection tool within Apple's Communications Toolbox to give access to HP 3000 host computers running HP's Network Services. The NS Connection supports host connections over Ethernet or LocalTalk networks while maintaining connections to other network services, such as file servers and laser printers. The NS Connection operates with Reflection Series software, which offers quality terminal emulation and extra features, such as a powerful command language

These Products Available Through Bottom Line Distribution
1-800-347-1923

and high-speed file transfer. Choosing a host and configuring a connection is as easy as clicking a few options in a Macintosh dialog box.
$299 retail
Walker Richer & Quinn, Inc.; 1500 Dexter Ave. N; Seattle, WA 98109; 206-217-7500, 800-872-2829 or 206-217-0293 (fax)

Reflection 1 Plus For The Macintosh
HP 2392A terminal emulation/communications
Macintosh Plus or larger.
Reflection 1 Plus provides precise Hewlett-Packard 2392A alphanumeric terminal emulation to run HP 3000 applications and access data from a Macintosh. Reflection 1 Plus is block- and character-mode compatible and supports inverse video, underlining, half bright and security options. It was designed with the familiar Macintosh interface and features in mind. Reflection includes context-sensitive help and multitasking with MultiFinder. Fast and reliable Reflection file transfers and terminal sessions will continue to process in the background while users use another Macintosh application. The Plus feature allows users to back up important Macintosh files to the host. A command file is included to automate the backup and restore processes. Reflection's powerful command language of more than 50 Basic-like commands and functions helps to simplify daily routines.
$329 retail
Walker Richer & Quinn, Inc.; 1500 Dexter Ave. N; Seattle, WA 98109; 206-217-7500, 800-872-2829 or 206-217-0293 (fax)

Session
Hewlett-Packard and DEC terminal emulation and file transfer
Macintosh 512K or larger; HP 3000, 9000 or 1000 or DEC.
Business Session and Graphic Session provide HP 700/92, HP 2392A, DEC VT100 and HP ANSI terminal emulation for Macintosh users. Graphic Session also provides HP 2397A terminal emulation. They allow users to access the data, applications and storage capacity of an HP or other host computer. Session is fully compatible with System 7 and A/UX, and provides support for color displays, Apple Events, online balloon help and multitasking. They support the Apple Communications Toolbox for connection to a host over serial, X.25 or LAN networks, including AppleTalk, Ethernet and MacTCP. Users can log host data to printers or disk files, and automate any task using the TermTalk scripting language and its built-in script editor and recorder. Session can play a key role in the integration of data between different applications or computer systems. Data can be moved between the Macintosh and the host via background file transfers or simple cut and paste operations.
$329 retail; Business Session
$399 retail; Graphic Session
Multicopy and site license discounts available
Unison Software; 811 Barton Springs Rd.; Austin, TX 78704; 512-478-0611 or 512-479-0735 (fax)

Desktop Communications/ Macintosh To Honeywell

FlexCom — alsVIP7800 Terminal Tool
Enables Macintosh computers to emulate Honeywell/Bull terminals
Macintosh Plus or larger; System 6 or 7 with CTB application.
FlexCom is a software architecture designed by Air Land Systems for Apple Macintosh users. The design is based on Apple's Communications Toolbox (CTB). FlexCom allows for standardized modular software products (Tools) to be linked together for easy configuration and operation in a user's application. FlexCom provides for an extremely flexible mode of communication, allowing users to design various applications, interconnect to one or more Host/Mainframe computers and/or transfer data. The alsVIP7800 Terminal Tool enables Macintosh computers to emulate Honeywell/Bull terminals while maintaining Apple's user friendly interface. This feature rich emulator allows users to enter data, customize text displays, as well as transfer, save and print files. It has tear-off command and function boxes, giving users the flexibility to arrange the boxes in a style that best suits the way they work.
$125 retail
Air Land Systems Corp.; 2710 Prosperity Ave.; Fairfax, VA 22031; 703-573-1100, 800-247-5263 or 703-573-0121 (fax)

FlexCom — ascDKU7107 Terminal Tool
Enables Macintosh computers to emulate Honeywell/Bull terminals
Macintosh Plus or larger; System 6 or 7 and CTB application.
FlexCom is a software architecture designed by Air Land Systems for Apple Macintosh users. The design is based on Apple's Communications Toolbox (CTB). FlexCom allows for standardized modular software products (Tools) to be linked together for easy configuration and operation in a user's application. FlexCom provides for an extremely flexible mode of communication, allowing users to design various applications, interconnect to one or more Host/Mainframe computers and/or transfer data. The alsDKU7107 Terminal Tool enables Macintosh computers to emulate Honeywell/Bull terminals while maintaining Apple's user friendly interface. This feature rich emulator allows users to enter data, customize text displays, as well as transfer, save and print files. It has tear-off command and function boxes, giving users the flexibility to arrange the boxes in a style that best suits the way they work.
$125 retail
Air Land Systems Corp.; 2710 Prosperity Ave.; Fairfax, VA 22031; 703-573-1100, 800-247-5263 or 703-573-0121 (fax)

mxConnect 4.0
Macintosh to Honeywell Bull, Data General, DEC, Meditech and Pick systems
Macintosh Plus or larger; 1 MB of RAM.
mxConnect emulates the Honeywell Bull VIP7200/VIP7300/VIP7700/VIP7800 and HDS/BDS series of asynchronous and synchronous display terminals. It also emulates Data General Dasher D100/D200/D400, DEC VT52/VT100/VT200/VT300, ANSI 3.64, ADDS Viewpoint, Hazeltine 1500 series, TeleVideo 900 series, Lear Siegler, PC Term, Zentec 8000, Meditech 5220, Wang VS 2110 and Wyse 50 terminals. Features include: multiple communications protocol support (asynchronous, VIP synchronous, VIP server, TCP/IP and Communications Toolbox), script processing for automatic logon and logoff, 28 user-programmable and selectable command keys, print redirection, print spooling to a laser printer, 72-line scroll, color attribute mapping, balloon help and copy/paste between host sessions and Macintosh documents. Kermit, Xmodem, Ymodem, Zmodem and mxFTF file transfer capabilities, including host initiated, unattended mode and background operation are provided with this Macintosh to mainframe link product.
$295 retail
Cambridge Computer Corp.; 80 Mount Sanford Rd.; Mount Carmel, CT 06518; 203-288-6004 or 203-288-0009 (fax)

mxServer
Macintosh to Honeywell Bull
Macintosh SE or larger; 2 MB of RAM.
mxServer allows the Cambridge mxConnect software to access host systems via any Apple-supported local area network. Currently, mxServer supports the Honeywell Bull VIP synchronous protocol for connection to the host computer and requires use of System 7 or later. mxServer can support up to 32 mxConnect sessions. Each session can have a unique poll address or be assigned to a group where mxServer will designate the next available address. No specialized communication adapter is necessary to access the host system.
$545 retail
Cambridge Computer Corp.; 80 Mount Sanford Rd.; Mount Carmel, CT 06518; 203-288-6004 or 203-288-0009 (fax)

Desktop Communications/ Macintosh To IBM Minicomputers & Mainframes

"Both."
Legacy-to-SQL client/server development environment
Macintosh Plus or larger; System 6.0.5 or later.
"Both." is a development environment for building client/server applications. From beginning to end (from GUI design to host coupling and managing data sources), "Both." is designed to help IS departments incrementally migrate host-based applications up the client/server curve. "Both." is designed to enable users to preserve their investment in GUI development — even as they migrate to high-end client/server. By providing users with an innovative data source manager (DSM), "Both." enables users to retain their client application logic and presentation while, behind the scenes, migrating to different data sources (SQL, LU6.2, etc.) incrementally, over time. Finally, "Both." is architected for rapid development, enabling users to create new, easy-to-use production-quality cooperative applications in a matter of weeks, not months. "Both." lets users work with multiple dissimilar mainframe and midrange hosts simultaneously — accessing, navigating, passing data between, integrating and updating multiple applications and data sources. Equally important, however, "Both." provides a complete GUI Application Development Toolkit and employs a unique object-based architecture that automates much of the front-end/back-end coupling effort. It deploys to both Macintosh and MS Windows.
Call for pricing
Connectivité Corp.; 220 White Plains Rd.; Tarrytown, NY 10591; 914-631-5365 or 800-622-2684

5PM Term
Multisession communication application
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
5PM Term is a powerful multisession communication application with full support for Apple's Communications Toolbox (i.e., connection, file transfer and terminal tools). 5PM Term enhances basic terminal emulation by offering a macro-command scripting environment to automate log-on procedures, attach macros to keyboard keys and define hotspots. In addition, 5PM Term acts as a runtime for any development realized with 5PM Pro, ASC's GUI development environment for front ending and client/server development. This makes 5PM Term one of the most versatile and evolutive terminal emulation products available for the Macintosh.
5PM Term + integrates in one single package emulation for: IBM mainframes implementing IBM-3270 over TCP/IP and SNA; IBM midrange AS/400 implementing IBM-5250 over TCP/IP and Token Ring; and Unix and DEC by implementing DEC-VT420 over TCP/IP, serial and LAT. In addition, 5PM Term + is shipped with IND$FILE, FTP client and Xmodem file transfer protocols.
5PM Term for AS/400 integrates in one single package emulation for IBM midrange AS/400 implementing IBM-5250 and 5250TN over TCP/IP and Token Ring, as well as FTP client and Xmodem file transfer protocols.
5PM Term for IBM Mainframe integrates in one single package emulation for IBM mainframes implementing IBM-3270 and 3270TN over TCP/IP and SNA, including Novell's NetWare for SAA gateway, as well as IND$FILE, FTP client and Xmodem file transfer protocols.
5PM Term for Unix/DEC integrates in one single package emulation for Unix and DEC hosts implementing DEC-VT420 over TCP/IP, serial and LAT, including Novell's NetWare for LAT gateway, as well as FTP client and Xmodem file transfer protocols.
$375 retail; 5PM Term +
$285 retail; 5PM Term for AS/400
$285 retail; 5PM Term for IBM Mainframe
$259 retail; 5PM Term for Unix/DEC
ASC; 10601 S. De Anza Blvd., Ste. 105; Cupertino, CA 95014; 408-725-4242 or 408-725-4243 (fax)
FAX©NDEMAND 1-800-872-3293 **140 & 141**

asc3270
Provides 3270 terminal emulation
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.

asc3270 is a terminal tool that provides 3270 terminal emulation using the standard access interfaces of Apple's Communications Toolbox. asc3270 features: support of 3278 models 1 to 5 and 3279 models 2 and 3; extensive keyboard remapping functions; special keys accessible by menu; full color support (seven IBM colors can be replaced by any of the 4 million colors available on the Macintosh); and keyboards are fully user definable by simple click and drag actions.
$95 retail
Sysnet Corp.; 5301 Wisconsin Ave. NW, Ste. 640; Washington, DC 20015; 202-686-5515, 800-683-5515 or 202-686-6992 (fax)

asc5250
Provides 5250 terminal emulation
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.

asc5250 is a terminal tool designed to offer 5250 terminal emulation for IBM AS/400 computers over TCP/IP using the standard access interfaces of Apple's Communications Toolbox. asc5250 allows: support of 5251-11, 5292-2 models; extensive keyboard remapping functions; special keys accessible by menu; and full color support. asc5250 text attributes can be translated into any combination of Macintosh text attributes. Keyboards are fully user definable. By simple click-and-drag actions, users can map the 5250 keys to the Macintosh keyboard.
$95 retail
Sysnet Corp.; 5301 Wisconsin Ave. NW, Ste. 640; Washington, DC 20015; 202-686-5515, 800-683-5515 or 202-686-6992 (fax)

commstalk For HyperCard
Allows developers to fully integrate terminal communications sessions within a HyperCard stack
Macintosh Plus or larger; HyperCard 2.1 or later; System 6.0.5 or later.

commstalk for HyperCard (commstalk-hc) allows developers to fully integrate terminal communications sessions within a HyperCard stack, bringing the benefits of client-server computing to older, non-SQL-based host applications. By reengineering host systems with improved HyperCard-based graphical interfaces, organizations can preserve their investments in aging applications and extend their useful life, without disruption. Applications developed with commstalk-hc can simultaneously communicate with multiple host systems utilizing standard Apple Communications Toolbox (CTB) tools. Connectivity options exist for IBM (5250, 3270), DEC (VT-100, VT-320, VT-420) and Unix (TCP/IP, Telnet, FTP), as well as a variety of standard asynchronous file transfer protocols (X/Y/Zmodem, Kermit, Text). Host data can be fully integrated with locally held stack data to provide completely integrated, cooperative applications. Developers using commstalk-hc benefit from dramatically reduced development time, easy maintenance of applications and reduced host loading.
$295 retail; developer kit
$95 retail; run-time kit
Full Moon Software, Inc.; PO Box 700237; San Jose, CA 95170; 408-253-7199 or 408-252-2378 (fax)

DCA Irma Graphics For The IBM Mainframe
Allows users to access IBM mainframe graphics applications through the Irma family of terminal emulation products.
Macintosh with 68030 processor or larger.

DCA Irma Graphics is a software product that lets users of Macintosh computers access IBM mainframe computer graphics applications through DCA's Irma family of IBM 3270 terminal emulation products. And with Irma Graphics users can upgrade Irma for the IBM mainframe, DCA's multiple session 3270 emulator, to a full-featured APA graphics terminal. DCA Irma Graphics allows users to access host-based graphics applications, such as CA-TELLAGRAF, SAS/GRAPH and IBM Interactive Chart Utility to produce graphics for business presentations and reports.
$295 retail; software upgrade
Digital Communications Associates, Inc. (DCA); 1000 Alderman Dr.; Alpharetta, GA 30202; 800-348-3221

Extra! For Macintosh
Full 3270 functionality for Macintosh users
Macintosh Plus or larger; 1 MB of RAM (2 MB with System 7); System 6.0.5 or later.

Extra! for Macintosh provides powerful, yet simple workstation to host connectivity. Full 3270 terminal emulation with multiple sessions is provided. Mainframe session screens are scalable and can be sized, colored and independently positioned. Background batch file transfer is as simple as point and click. File transfers supported are IBM's IND$FILE for VM/CMS, MVS/TSO and CICS. OV/MVS import/export is also supported. The 3287 printer emulation feature provides users with full function local printing capability. Extra! provides graphical keyboard remapping and a SmartPad keypad. A light pen is supported. Extra! connectivity is via coax DFT, 802.2 over token ring or AppleTalk LAN connections. LAN connections may be shared with PCs via the Attachmate Gateway multiple protocol support.
$425 retail
Attachmate Corp.; 3617 131st Ave. SE; Bellevue, WA 98006; 206-644-4010, 800-426-6283 or 206-747-9924 (fax)

FlexCom — asc3270 LAN Package
Enables Macintosh computers to emulate IBM 3270 terminals
Macintosh Plus or larger; System 6 or 7 with CTB application.

FlexCom is a software architecture designed by Air Land Systems for Apple Macintosh users. The design is based on Apple's Communications Toolbox (CTB). FlexCom allows for standardized modular software products (Tools) to be linked together for easy configuration and operation in a user's application. FlexCom provides for an extremely flexible mode of communication, allowing users to design various applications, interconnect to one or more Host/Mainframe computers and/or transfer data. The asc3270 Terminal Tool, developed by Advanced Software Concepts, enables Macintosh computers to emulate IBM 3270 terminals while maintaining Apple's user friendly interface. This feature rich emulator has extensive keyboard remapping, special keys accessible by menu, full color support, plus two levels of online help.
$250 retail
Air Land Systems Corp.; 2710 Prosperity Ave.; Fairfax, VA 22031; 703-573-1100, 800-247-5263 or 703-573-0121 (fax)

FlexCom — asc5250 Terminal Tool
Enables Macintosh computers to emulate IBM AS400 terminals
Macintosh Plus or larger; System 6 or 7 with CTB application.

FlexCom is a software architecture designed by Air Land Systems for Apple Macintosh users. The design is based on Apple's Communications Toolbox (CTB). FlexCom allows for standardized modular software products (Tools) to be linked together for easy configuration and operation in a user's application. FlexCom provides for an extremely flexible mode of communication, allowing users to design various applications, interconnect to one or more Host/Mainframe computers and/or transfer data. The asc5250 Terminal Tool, developed by Advanced Software Concepts, enables Macintosh computers to emulate IBM AS400 terminals while maintaining Apple's user friendly interface. This feature rich emulator has extensive keyboard remapping, special keys accessible by menu, full color support, plus two levels of online help.
$250 retail
Air Land Systems Corp.; 2710 Prosperity Ave.; Fairfax, VA 22031; 703-573-1100, 800-247-5263 or 703-573-0121 (fax)

FTPack
File transfer tool designed to support multihost/multisession connections using the FTP file transfer protocol
Macintosh Plus or larger; 1 MB of RAM; Macintosh Communications Toolbox 1.0 or later; MacTCP 1.0.1 or later; System 6.0.4 or later.

FTPack is a file transfer tool for the Communications Toolbox (CTB) architecture. It is designed to support multihost/multisession connections using the FTP file transfer protocol over any TCP/IP connection. FTPack can be used under the control of CTB-compliant applications or interactively under direct user control with the comfort of a user friendly client interface, a fully mouse-driven graphic environment, where clicking on icons triggers standard FTP commands and a scrolling list presents files and directories. This information can be automatically recorded in a text log file to keep track of all operations. The windows are fully resizable by moving the window border up or down to increase readability of the log file. Transfers can be carried out in transmit or receive mode. File contents can be viewed before transfer for control. The user interface is designed to offer maximum comfort and flexibility, but it can also be reduced to a single command line interface if needed. Security standards can be enforced by using the installer utility to enable or disable user access to the configuration functions.
$98 retail
Sysnet Corp.; 5301 Wisconsin Ave. NW, Ste. 640; Washington, DC 20015; 202-686-5515, 800-683-5515 or 202-686-6992 (fax)

LANtastic For Macintosh Windows Gateway Software
Connect Macintosh computers to a LANtastic PC network
System 6.0.1 or later; non-dedicated gateway 386 or 486 PC; LANtastic system 4.0 or later; PC network adapter that supports the LANtastic network; AppleTalk, EtherTalk, Token Ring PC adapter or any adapter supported by LANtastic for Macintosh Windows Gateway drivers; MS-DOS 3.3 or later; Windows 3.1 or later.

The LANtastic for Macintosh Windows Gateway is a non-dedicated Windows version of the LANtastic for Macintosh product. This software allows a non-dedicated Windows PC to act as a gateway that provides interactivity between Macintosh AppleShare and LANtastic networks. The gateway PC provides networked Macintosh users with transparent access to LANtastic network resources, such as files, printers and CD-ROM drives. For LANtastic network users to have access to Macintosh file resources, Macintosh users must save their files to the gateway PC. This software also supports complete bi-directional PostScript printer sharing from both Macintosh and LANtastic networks. The LANtastic for Macintosh Windows Gateway software includes native ODI drivers that support adapters from major Ethernet manufacturers, such as 3Com, Intel, Xircom and SMC, as well as those from Artisoft.
$649 retail; software only
Artisoft, Inc.; 2202 N. Forbes Blvd.; Tucson, AZ 85745; 602-670-7100, 800-233-5564 (sales) or 602-670-7101 (fax)

Maclan Connect For LANtastic
Integrates Macintosh computers and printers into any 4.0 or later version of LANtastic
IBM or compatible PC/XT/AT/386/486; 640K; AppleTalk interface card; DOS 3.3 or later; any Macintosh.

Maclan Connect for LANtastic is a software gateway that seamlessly integrates Macintosh computers and printers into any 4.0 or later version of LANtastic. With Maclan Connect for LANtastic, Macintosh users can now access hard drives, LAN volumes, CD-ROM drives and PostScript printers that exist within any LANtastic network. All print requests from a Mac or a PC are routed through LANtastic print queues to any PostScript printer. The printers can be located on either the LANtastic or Macintosh side of the network. Printers may be connected via serial, parallel or AppleTalk interfaces. Print queues are managed by the Artisoft "Net-Print Queue Management" option. Maclan for LANtastic software runs concurrently on any PC serving as a LANtastic file server, or a separate workstation may be dedicated to Maclan.
$695 retail
Miramar Systems; 121 Gray Ave., Ste. 200B; Santa Barbara, CA 93101; 805-966-2432, 800-862-2526 or 805-965-1824 (fax)

NetLynx/Mac
Macintosh interface for Andrew NetLynx gateways
Macintosh Plus or larger; AppleTalk network; System/36/38, AS/400; optional host file transfer utility software; System 6.0.5 or later.

NetLynx/Mac is a software product that provides a Macintosh client interface for users of Andrew

These Products Available Through Bottom Line Distribution
1-800-347-1923

NetLynx LAN gateways. Using NetLynx/Mac and NetLynx/5394 gateway, users can connect any Macintosh to an IBM system 3/X or AS/400. NetLynx/Mac provides a LAN-to-IBM midrange solution that allows both Macintoshes and PCs on a network to access the midrange using one gateway. NetLynx/Mac comes with the standard Apple installer program for easy one-button installation. Also, NetLynx/Mac installs the MacIPX protocol stack from Novell Inc. (included with NetLynx/Mac) to provide an IPX protocol access to the NetLynx gateway. NetLynx/Mac will work with any Macintosh on LocalTalk, EtherTalk or Token Ring. Both AppleTalk and IPX protocols can be used simultaneously from the client Macintoshes. Using Andrew's ETU (Emulator Transfer Utility) host-based file transfer software, data can be transferred in both directions between the System3/X or AS/400 and Macintoshes.
$200 to $5,695 retail; depending on configuration
Andrew Corp.; 4301 Westbank Dr., Ste. A-100; Austin, TX 78746; 512-314-3000, 800-531-5167 or 512-314-3195 (fax)

NetWare 3270 LAN Workstation for Macintosh
Full 3270 functionality for Macintosh users needing SAA connectivity
Macintosh Plus or larger; 2 MB of RAM; System 6.0.3 or later.

Workstation for Macintosh is an IBM 3270 emulator specifically designed for use with IBM host connectivity NetWare for SAA. Productivity is enhanced by support of up to 26 concurrent terminal sessions per workstation, allowing users access to multiple SNA hosts. Terminal sessions can be individually tailored with dynamic color, keyboard remapping and automatic font sizing, giving users a high degree of flexibility. It easily shares host connections with DOS and Windows PCs in a NetWare LAN.
$195 retail
$4,995 retail; server-based license
Attachmate Corp.; 3617 131st Ave. SE; Bellevue, WA 98006; 206-644-4010, 800-426-6283 or 206-747-9924 (fax)

Packet/3270 Mac
Worldwide Macintosh to mainframe software connection
Macintosh Plus or larger; 401K of free RAM; asynchronous modem; connection to a packet network; local PAD or IBM 3708.

Packet/3270 Mac is the Macintosh workstation component for Telepartner International's micro-to-mainframe communications software. It is an SNA/ASYNC 3270 emulator for Macintosh computers that provides common, worldwide access to IBM 3270 SNA mainframe application systems via dial-up and public packet networks. Packet/3270 Mac integrates Packet/3270's reliability and ease of use with the familiar Macintosh interface, including pull-down menus, resizable windows, universal Macintosh key combinations and mouse-driven menus. Packet/3270 Mac uses a proprietary protocol to extend SNA communications for the Macintosh computer into the asynchronous world. The protocol provides all the functionality of SNA/SDLC, including full duplex, error-free, bit compressed transmission; simultaneous mainframe display and printer sessions; and DFT (IND$FILE) file transfer to CICS, TSO and CMS. The result is a powerful, responsive and inexpensive connection for remote Macintosh users.
$145 to $295 retail; workstation
$15,400 retail; host component
Telepartner International; 135 South Rd.; Farmington, CT 06432; 203-674-2640, 800-935-3270 or 203-674-8234 (fax)

PrinterAxcess
Allows the use of AppleTalk printers as IBM midrange system printers
Macintosh Plus or larger; System 7.0 or later; LaserWriter or other AppleTalk-connected printer; NetAxcess, MacTwin, NetLynx/Mac or TokenAxcess; IBM AS/400 with TIC card (TokenAxcess only); Version 1 release 3 mod 0 of IBM OS/400.

PrinterAxcess allows the use of LaserWriters or other AppleTalk-connected printers as IBM midrange system printers. With PrinterAxcess, Macintosh users can receive their IBM printouts on their personal or departmental Apple printers. PrinterAxcess works with other Andrew MacMidrange products to provide printing capability. It is a software printer session emulator that relies on the midrange connections established by either Andrew's NetAxcess, MacTwin, TokenAxcess or NetLynx/Mac. On the midrange host, a specific device must be configured as a printer. The corresponding device is then selected in the PrinterAxcess session selection window. After the printing session is started, all print jobs routed to that printer device by the midrange host will be processed by PrinterAxcess.
Call for pricing
Andrew Corp.; 4301 Westbank Dr., Ste. A-100; Austin, TX 78746; 512-314-3000, 800-531-5167 or 512-314-3195 (fax)

RCOM/Mac
Macintosh to PC or IBM mainframe communications
Macintosh Plus or larger.

RCOM/Mac provides Macintosh to PC or IBM mainframe communications and terminal emulation. It allows users to perform file transfers between IBM compatible systems and Macintoshes using several protocols, including AFTP, which incorporates data compression and error correction. Other protocols include X, Y, Z Modem, Kermit, IND$FILE and MacBinary. RCOM/Mac specializes in 3270 terminal emulation via a Hydra II protocol converter. Terminal types supported include Hydra, VT100, VT220, TTY, IBM 3101, FTTERM, TV950, ANSI, IBM 3162 and IBM 3164. In addition, it features user-definable keyboard layouts, screen colors, text capture and ANSI color. The program can be used with RCOM/MF on an IBM mainframe for Macintosh to mainframe file transfer capabilities. RCOM/Mac includes a powerful script language, unattended file transfer, sophisticated trace facility, user journal file and built-in script editor. Also with IND$FILE transfer capability for file transfer with any IBM mainframe.
$129.95 retail
Computer Vectors, Inc.; 74-5599 Luhia St., Ste. E7; Kailua-Kona, HI 96740; 808-329-6645 or 808-329-6523 (fax)

SimMac
Macintosh to IBM mainframe connectivity package
Macintosh Plus or larger; Hayes-compatible modem.

SimMac, Simware's Macintosh to mainframe software integration solution, provides Macintosh users with a customizable, easy-to-use Mac interface to host applications. It offers a powerful connectivity language, terminal emulation and advanced file transfer services. SimMac delivers all of these capabilities across multiple emulation methods, including async, X.25, coax, LAN gateways and protocol converters. SimMac's "Views" capability transforms 3270 screens into the familiar Mac interface, offering all the familiar Mac features, such as pop-up menus, dialog boxes and text-editing capabilities. Tedious and complex procedures can be automated with more than 300 commands in Simware's "Advantage" Connectivity Language. With "Views" and "Advantage," Mac users can access the power of host applications on their own terms, improving productivity and reducing time and costs. For remote Mac users, SimMac works with Simware's 3270 emulation software to provide cost-effective asynchronous access to mainframe applications.
Call for pricing
Simware, Inc.; 2 Gurdwara Rd.; Ottawa, Ontario, Canada K2E 1A2; 613-727-1779 or 613-727-3533 (fax)

TokenAxcess-Client
Software for sharing IBM 5250 sessions among an AppleTalk network through a Token Ring interface
Macintosh Plus or larger as clients; Macintosh II or Quadra as server; AppleTalk network; SNA•ps 1.0.1 or later; System 6.0.4 or later; Apple's Token Ring Card (gateway Mac only).

TokenAxcess-Client is software designed for sharing IBM 5250 sessions among an AppleTalk network through token ring. With TokenAxcess server software installed in a server Macintosh on the network, any model Macintosh residing on the network using TokenAxcess client software can access the AS/400 for terminal services and file transfer. TokenAxcess-Client uses LU6.2 services provided by Apple's SNA•ps gateway to connect with IBM's Display Station Pass Through (DSPT) on the AS/400. Once the connection is established, the server Macintosh appears to the AS/400 as another AS/400 with local IBM 5250 terminals attached. TokenAxcess-Client has the ability to utilize a user's existing network, including LocalTalk, PhoneNET, EtherTalk and TokenTalk. With Andrew's ETU (Emulator Transfer Utility) host-based file transfer software installed, data can be transferred between the AS/400 and Macintoshes, enabling IBM data to be manipulated in most popular Macintosh spreadsheet, database and word processing programs. Using TokenAxcess-Client enables Macintoshes to coexist with other devices on the token ring.
$200 to $5,695 retail; depending on configuration
Andrew Corp.; 4301 Westbank Dr., Ste. A-100; Austin, TX 78746; 512-314-3000, 800-531-5167 or 512-314-3195 (fax)

Desktop Communications/ Macintosh To MS-DOS

AccessPC 3.0
Utility that makes MS-DOS disks compatible with Macintosh
Macintosh Plus or larger; hard disk drive; SuperDrive; System 7.0 or later.

AccessPC is a simple, fast utility that lets users open MS-DOS files on a Macintosh, as well as flawlessly mount any DOS-formatted external drive. It is a control panel document that instantly recognizes and mounts any DOS-formatted floppy disk that is inserted into a Macintosh SuperDrive or external DOS-formatted drive. Also included is support for DOS-formatted removable cartridge drives and Multi-Driver, which enables users to mount any kind of external drive. Media Formatter is also included and allows users to speed hard disk access by at least 30 percent in most drives by means of intelligent disk caching. AccessPC is compatible with both System 6 and 7.
$129.95 retail
Insignia Solutions Inc.; 1300 Charleston Rd.; Mountain View, CA 94043; 415-694-7600, 800-848-7677 or 415-694-3705 (fax)

DBinterface Rapid
High-speed data conversion tool for 4th Dimension
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; 4th Dimension 2.0.11 or later; System 6.0.3 or later.

DBinterface Rapid is a 4th Dimension module that converts data to and from the dBase data format. It is designed for 4th Dimension users who need fast access to dBase, FoxBase and Clipper data, plus thousands of compatible applications. Features include: works from within any 4th Dimension database; supports all dBase III Plus-compatible field types; eliminates the need to own a dBase-compatible database system; and reduces data conversion to three simple steps (select 4th Dimension and dBase files; choose fields to copy; and press Import or Export button).
$99.99 retail
Chatham Township Data Corp.; 31 Birchwood Rd.; Denville, NJ 07834; 201-586-0700

DOS Mounter Plus
Macintosh desktop utility for MS-DOS disks
Macintosh SE/30 or II family (or SE with SuperDrive).

DOS Mounter Plus is the latest version of Dayna's popular utility that mounts MS-DOS files on the desktop, just as if they were Macintosh files. Whether a Macintosh has a SuperDrive, an external Apple 5.25-inch drive, removable media drive or magneto-optical drive, DOS Mounter Plus is an ideal solution for accessing MS-DOS media. And in networked settings, DOS Mounter Plus now gives users easy file access to volumes on NetWare servers. No Macintosh support software is required on the server. All AppleShare services, such as printing and file sharing, remain available while users are logged into the NetWare server. DOS Mounter Plus includes MultiMounter, which mounts MS-DOS removable media cartridges and magneto-optical disks reliably on the Macintosh desktop, as well as MultiFormatter, which formats, partitions and tests removable media. Version 4.1 includes Netware SFT III Support, and support for WordPerfect Office 4.0.
$79 retail

Dayna Communications; Sorenson Research Park; 849 W. Levoy Dr.; Salt Lake City, UT 84123; 801-269-7200 or 801-269-7363 (fax)

FormatterFive
Partitioning and file transfer utility
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later.

FormatterFive allows Macintosh and PC users to share data quickly and easily. Features include: create Macintosh and DOS partitions on the same removable cartridge or disk drive; transfer large Macintosh files to DOS partitions and back; read DOS-formatted cartridges from most PC systems on a Macintosh; test and maintain a drive's media, lock partitions and more; and mount large DOS volumes on the Macintosh desktop.
$195 retail; includes Dayna's DOS Mounter 3.0
Software Architects, Inc.; 19102 N. Creek Pkwy., Ste. 101; Bothell, WA 98011; 206-487-0122 or 206-487-0467 (fax)

GraphPorter
Translates Macintosh text and graphics into a format accepted by many non-Macintosh applications and systems
Macintosh 512KE or larger.

GraphPorter is a communications utility that translates Macintosh text and graphics into a format that can be accepted by many non-Macintosh applications and systems. Packaged as a Chooser-level printer driver, it creates a Computer Graphics Metafile (CGM) when a user prints. The CGM may be in one of four selectable formats — MAP/TOP, DoD CALS, Graphics Arts or portable. Each of these formats, or profiles, meets the needs of a different constituency. GraphPorter is fully integrated system software, operating completely from the application during printing, and includes an integrated file transfer capability. Typical applications include transfer of Macintosh graphics to IBM PC-based presentation and graphic arts applications.
$169 retail
GSC Associates, Inc.; 13254 Jefferson Ave.; Hawthorne, CA 90250; 310-675-2093 or 310-675-2159 (fax)

Laptop Liberator
Connects PowerBooks to desktop PCs
Macintosh PowerBook.

Laptop Liberator is a connectivity product that gives Macintosh PowerBook users the ability to transfer files directly to and from desktop Macintosh, PC and IBM PS/2 computers running DOS. Users just connect the Apple SCSI Disk Adapter cable to a desktop Macintosh or PC and move the files using regular Macintosh and DOS commands. Features include: move files quickly and easily by creating both Macintosh and DOS partitions on the PowerBook's internal hard drive; mount DOS partitions and files on the PowerBook using Dayna's DOS Mounter; connection is quick and easy using the Apple SCSI Disk Adapter cable; once the PowerBook's drive is prepared, Laptop Liberator becomes invisible to a user; files up to the size of the PowerBook's drive are quickly uploaded or downloaded using standard Macintosh and DOS commands; files can be used in either the Macintosh or DOS environment and accessed from either computer; and after connecting the PowerBook to the SCSI port on a PC, the PowerBook is placed in SCSI Disk Mode, allowing each DOS volume on its internal drive to be read and controlled by the PC.
$195 retail; includes Dayna's DOS Mounter 3.0
Software Architects, Inc.; 19102 N. Creek Pkwy., Ste. 101; Bothell, WA 98011; 206-487-0122 or 206-487-0467 (fax)

Macintosh PC Exchange
Allows users to easily move files between a Macintosh and any PC-compatible computer
Macintosh with 3 MB of RAM; hard disk drive; Apple SuperDrive floppy disk drive; System 7.0 or later.

Macintosh PC Exchange enables Macintosh computers running System 7 and equipped with an Apple SuperDrive floppy disk drive to easily read, write and format PC-compatible disks. Files on the PC-compatible disk appear on the Macintosh screen as standard Macintosh documents, and can be opened, saved, renamed, moved, copied or deleted just as with any Macintosh document. These files can also be imported into Macintosh-based applications. In addition, the DOS-formatted disk can be used to transfer Macintosh files to a DOS computer. Macintosh PC Exchange can also be customized so that a Macintosh-based application is automatically launched when a user double-clicks on a file created by the DOS or Windows version of that application running on a PC-compatible computer. Macintosh PC Exchange is compatible with all Macintosh applications and many leading DOS and Windows applications.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Maclan Connect Gold
Provides transparent file, E-mail and printer sharing between Macintoshes and PCs
Any Macintosh; AppleShare workstation; IBM PC/AT/386/486; 640K; DOS 3.3 or later; AppleTalk network adapter; PC LAN network.

Maclan Connect Gold provides transparent file, E-mail and printer sharing between Macintosh computers and PCs. The software product runs on a networked PC that acts as an AppleShare server. Maclan Connect Gold supports unlimited Macintosh users and is fully AFP 2.1 compliant. Macintosh users do not need to learn another complicated interface or add any additional software to access PC resources. All PC files and printers are accessed using the standard Macintosh "AppleShare" Chooser interface. Maclan Connect Gold acts as a print spooler for Macintoshes. Any number of LaserWriters, or any of the PostScript printers attached to the server, can be associated with Maclan queues. Macintosh users can print a job and return to their application immediately while Maclan Connect Gold prints the job. Maclan Connect Gold allows Macintosh computers and PCs to share E-mail with any cross-platform E-mail package. Maclan Connect Gold is compatible with virtually all PC LAN operating systems.
$695 retail
Miramar Systems; 121 Gray Ave., Ste. 200B; Santa Barbara, CA 93101; 805-966-2432, 800-862-2526 or 805-965-1824 (fax)

■ **MacLinkPlus 8.0**
File transfer and translation between a Mac and PC
Macintosh Plus or larger; System 6.0.3 or later (System 7.0 or later required for MacLinkPlus/Easy Open Translators).

MacLinkPlus helps users avoid having to retype documents when sharing them between Macs and PCs. MacLinkPlus includes thousands of high-quality translation paths for converting files between Mac and PC word processors, databases, spreadsheets and graphics applications, while retaining all original formatting. MacLinkPlus bundles Macintosh Easy Open for easy "double-click" or "drag and drop" translations. Three versions are available, depending on the way users exchange files between a Mac and PC: MacLinkPlus/Easy Open Translators, for users that can already access PC files via network or DOS disk mounting utility, such as Macintosh PC Exchange; MacLinkPlus/Translators Pro, includes the features of Easy Open Translators plus Macintosh PC Exchange for using DOS disks in a Macintosh; and MacLinkPlus/PC Connect, has all the features of Translators Pro plus an 8-foot serial cable and communications software to share files between a Mac and PC via cable or modem.
$109 retail; MacLinkPlus/Easy Open Translators
$149 retail; MacLinkPlus/Translators Pro
$199 retail; MacLinkPlus/PC Connect
DataViz, Inc.; 55 Corporate Dr.; Trumbull, CT 06611; 203-268-0030, 800-733-0030 or 203-268-4345 (fax)

MetaPICT
Translates between Computer Graphics Metafile or fax and PICT files
Macintosh 512KE or larger.

MetaPICT is a utility that provides bi-directional translation between Macintosh PICT or PICT2 files and internationally standardized formats, including CGM, Group 4 fax and Group 3 fax. It provides a reliable, highly-configurable way to transfer graphical information between the Macintosh and other computers. MetaPICT also supports the PICT-raster and TIFF formats. Optional extensions provide trace capabilities for CGM, fax and TIFF files.
$279 retail
GSC Associates, Inc.; 13254 Jefferson Ave.; Hawthorne, CA 90250; 310-675-2093 or 310-675-2159 (fax)

RunPC/Network And RunPC/Remote 3.1.2
Complete PC compatibility
Macintosh Plus or larger; System 6.0 or later; IBM PC compatible running MS-DOS 2.0 or later.

RunPC allows Macintosh users to control an IBM PC compatible from their Macintosh via an AppleTalk network, modem or serial cable. DOS programs run on the PC, but are viewed in a window on the Macintosh. Users can control programs at full speed, even access PC peripherals, extended/expanded memory and VGA graphics. RunPC offers copy and paste of text and graphics between Mac and MS-DOS applications, printing DOS files on Macintosh printers, file transfer and a feature-rich connectivity program. RunPC/Network lets users connect to a PC via an AppleTalk network or modem. RunPC/Remote lets one Mac connect to a PC via the included serial cable or modem. Both versions include Argosy Software's Bridge/Mac software to translate documents between any combination of more than 40 Macintosh and PC word processors. They also include MountPC to mount DOS disks.
$445 retail; RunPC/Network (licensed for one PC and 10 Macintoshes)
$219 retail; RunPC/Remote (licensed for one PC and one Macintosh)
$195 retail; RunPC/Client
Argosy Software, Inc.; 113 Spring St., 5th Fl.; New York, NY 10012; 212-274-1199 or 212-431-6567 (fax)

SoftPC
Run PC applications on any Macintosh
Macintosh Plus or larger; 2 to 4 MB of RAM; SuperDrive; System 6.0 or later.

Universal SoftPC is PC emulation software for Macintosh users performing word processing, text-based functions and light number crunching calculations. Universal SoftPC runs on all Macintosh computers and emulates a basic IBM/AT, including all the standard PC features. It is a software solution designed for running off-the-shelf and customized MS-DOS programs on the Macintosh. Copying, pasting and printing from PC programs is supported.
$165 retail
Insignia Solutions Inc.; 1300 Charleston Rd.; Mountain View, CA 94043; 415-694-7600, 800-848-7677 or 415-694-3705 (fax)

SoftPC 3.1 Professional
Run DOS and NetWare applications with VGA graphics on high-performance Macintosh computers
Macintosh with 68020, 68030 or 68040 processor; 8 MB of RAM; SuperDrive; System 6.0 or later.

SoftPC lets users run more than 50,000 standard or custom DOS applications on the Macintosh. SoftPC Professional runs PC programs that utilize VGA graphics and extended memory. It has MS-DOS 5.0 pre-installed and is ready to run on the Macintosh. In addition to support for NetWare networks, SoftPC provides for access to LAN Manager, Windows for Workgroups and Unix file servers. SoftPC provides integration with all Macintosh peripherals. Users can use their Macintosh printer, SuperDrive, keyboard, even an Apple CD-ROM with PC applications.
$325 retail
Insignia Solutions Inc.; 1300 Charleston Rd.; Mountain View, CA 94043; 415-694-7600, 800-848-7677 or 415-694-3705 (fax)

SoftPC 3.1 With Windows
Run Microsoft Windows applications on high-performance Macintosh computers
Macintosh Quadra family or equivalent 68040 Macintosh; 12 MB of RAM; SuperDrive; System 6.0.7 or later.

SoftPC with Windows is the most fully-featured member of the SoftPC product family. It offers the same PC compatibility as SoftPC Professional, plus the ability to run Windows applications in the Macintosh environment. Every copy of SoftPC with Windows includes a pre-installed copy of Microsoft Windows 3.1, as well as special optimized drivers.
$499 retail

These Products Available Through Bottom Line Distribution
1-800-347-1923

Insignia Solutions Inc.; 1300 Charleston Rd.; Mountain View, CA 94043; 415-694-7600, 800-848-7677 or 415-694-3705 (fax)

Software Bridge/Mac 2.2.0
Translates between Macintosh and DOS word processing formats
Macintosh Plus or larger; System 6.0 or later.

Software Bridge/Mac easily and accurately translates between any combination of more than 40 major Macintosh and DOS word processing formats for more than 800 translation options. Its innovative Click & Launch feature lets Macintosh users edit DOS documents with just a double click. Users simply double-click on a DOS document, and Software Bridge/Mac invisibly identifies the file, translates it and launches it into a Macintosh word processor, ready to edit. It can also translate from Macintosh to DOS, between Macintosh formats or even DOS to DOS. Software Bridge/Mac includes MountPC to access DOS disks from the Macintosh's SuperDrive like regular Macintosh disks.
$159 retail
Argosy Software, Inc.; 113 Spring St., 5th Fl.; New York, NY 10012; 212-274-1199 or 212-431-6567 (fax)

Desktop Communications/ Macintosh To NCR

MacQT
Macintosh terminal emulation and file transfer
Any Macintosh (Macintosh Plus or larger recommended); Finder 6.0 or later.

MacQT (Macintosh Quick Terminal) provides emulation of an ADDS Viewpoint (a.k.a., NCR 7901) or an NCR 7900 connected to a host running Unix or NCR's ITX, IMOS or RMCOS operating systems. It allows a user to run any program on the host system, just as though they were working on a dumb terminal. Emulation is fast and thorough. MacQT will transfer, in either direction, sequential ASCII files or spool (print out) files. Host software is provided where necessary for file transfer.
$200 per Macintosh retail; site licensing available
Rasmussen Software, Inc.; 10260 SW Nimbus Ave., Ste. M2A; Portland, OR 97223; 503-624-0360 or 503-624-0760 (fax)

Desktop Communications/ Macintosh To Pick

MacToPic
Macintosh to Pick
Macintosh with 1 MB of RAM recommended; double-sided disk drive; modem or direct connection to host computer.

MacToPic is a terminal emulation and data transfer program that allows a Macintosh to be used as a terminal (connected to a host computer directly or via modem) emulating ViewPoint, Wyse 50, VT101 or Prism. The emulators support video attributes, such as dim, reverse, underline, 132-column codes and graphic characters sent from the host computer, as well as "enhanced" ViewPoint mode. Data transferred from the host computer can be used in Mac spreadsheets, databases, word processors, page layout and other programs. Other features include phone list and dialer for Hayes-compatible modems; on screen programmable function keys; Mac-to-host, as well as host-to-Mac data transfer capability; 32-bit clean; Apple Events support; and more. The data transfer capabilities are designed to work with relational databases on hosts running Pick, Unix Prime, Ultimate, uniVerse, etc. MacToPic has been extensively tested with the following host computers: IBM RT, IBM RS6000, IBM 386/486, Compaq 286/386, Ultimate, McDonnell Douglas, Altos, ADDS Mentor, C.Itoh, Wyse 386, Everex, GA, DEC, Prime, Encore, Sanyo/Icon, Sequoia, Fujitsu, HP, ADP, Data General and Stratus.
$195 retail; site license available
Carnation Software, Inc.; PO Box 608; Carnation, WA 98014; 206-333-4288 or 206-333-4902 (fax)

MacToPic Plus
Macintosh to Pick
Macintosh with 2 MB of RAM recommended; double-sided disk drive; modem or direct connection to host computer.

MacToPic Plus has all of the data transfer and emulation features of the regular version of MacToPic, plus the following: CommToolBox support — connection and file transfer tools can be used with MacToPic Plus to connect into a wide variety of networks with numerous file transfer protocols. Systems using Ethernet, AppleTalk, TCP/IP, Token Ring and others — as well as file transfer tools, such as Xmodem, Ymodem, Zmodem, Kermit and FTP — are all supported by the Plus version. Users simply select from a scrolling list of network or file transfer tools, several of which are provided with the Plus program (many others are available from a multitude of sources). Data transfers can be remotely controlled from Pick Basic, and host menu items can be selected with a simple click of the mouse on screen (no special host programming required). MacToPic Plus offers page forward/back features, as well as the ability to display 24-bit color pictures and QuickTime movies.
$295 retail; site licenses available
Carnation Software, Inc.; PO Box 608; Carnation, WA 98014; 206-333-4288 or 206-333-4902 (fax)

Desktop Communications/ Macintosh To Tandem

■ **CTXfer**
File transfer; Mac to Tandem
Macintosh II or larger; System 7.0 or later; hard disk drive.

CTXfer takes advantage of several new advances in both the Macintosh and Tandem system environment to provide a very robust file transfer tool. Using a client/server interface, CTXfer provides multiple file transfers; full Macintosh user interface; edit file, text and tab conversion; and full security with great speed and point-and-click operation.
Call for pricing
Menlo Business Systems, Inc.; 201 Main St.; Los Altos, CA 94022; 415-948-7920 or 415-949-6655 (fax)

Max
File transfers between Macintosh and Tandem
Macintosh Plus or larger; Tandem computer.

Max is a Tandem-resident file transfer product that supports both Xmodem and MacBinary protocol transfers to any environment that provides the communications and file transfer support for either of these two protocols. Max supports both interactive and application invoked file transfer. It provides a technique for reformatting Tandem data records and data fields in conjunction with the transfer, facilitating direct transfer into foreign applications, such as spreadsheets and local databases. Max supports both text and graphic transfers, and provides for transferring foreign text files into a Tandem edit file format and vice versa. Max maintains a foreign file directory, allowing users to find these files on the Tandem database by Tandem name or by the file's native (foreign) name. Max provides unattended multifile transfer, Macintosh store and forward capabilities and an extension of the standard Macintosh dialogs for file selection and processing.
Call for pricing
Menlo Business Systems, Inc.; 201 Main St.; Los Altos, CA 94022; 415-948-7920 or 415-949-6655 (fax)

Desktop Communications/ Macintosh To Unix

5PM Term
Multisession communication application
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.

5PM Term is a powerful multisession communication application with full support for Apple's Communications Toolbox (i.e., connection, file transfer and terminal tools). 5PM Term enhances basic terminal emulation by offering a macro-command scripting environment to automate log-on procedures, attach macros to keyboard keys and define hotspots. In addition, 5PM Term acts as a runtime for any development realized with 5PM Pro, ASC's GUI development environment for front ending and client/server development. This makes 5PM Term one of the most versatile and evolutive terminal emulation products available for the Macintosh.

5PM Term + integrates in one single package emulation for: IBM mainframes implementing IBM-3270 over TCP/IP and SNA; IBM midrange AS/400 implementing IBM-5250 over TCP/IP and Token Ring; and Unix and DEC by implementing DEC-VT420 over TCP/IP, serial and LAT. In addition, 5PM Term + is shipped with IND$FILE, FTP client and Xmodem file transfer protocols.

5PM Term for AS/400 integrates in one single package emulation for IBM midrange AS/400 implementing IBM-5250 and 5250TN over TCP/IP and Token Ring, as well as FTP client and Xmodem file transfer protocols.

5PM Term for IBM Mainframe integrates in one single package emulation for IBM mainframes implementing IBM-3270 and 3270TN over TCP/IP and SNA, including Novell's NetWare for SAA gateway, as well as IND$FILE, FTP client and Xmodem file transfer protocols.

5PM Term for Unix/DEC integrates in one single package emulation for Unix and DEC hosts implementing DEC-VT420 over TCP/IP, serial and LAT, including Novell's NetWare for LAT gateway, as well as FTP client and Xmodem file transfer protocols.
$375 retail; 5PM Term +
$285 retail; 5PM Term for AS/400
$285 retail; 5PM Term for IBM Mainframe
$259 retail; 5PM Term for Unix/DEC
ASC; 10601 S. De Anza Blvd., Ste. 105; Cupertino, CA 95014; 408-725-4242 or 408-725-4243 (fax)
FAX©NDEMAND 1-800-872-3293 **140 & 141**

A/UX 2.0 Tape Driver
Software drivers for Apple's A/UX operating system
Macintosh Plus or larger; tape drive; A/UX 2.0.

The A/UX 2.0 Tape Driver allows tape backup systems to be directly addressed by the A/UX 2.0 operating system. By allowing interchange of industry standard format tapes, the Macintosh can easily share data with other Unix-based workstations. These device drivers fully support advanced SCSI features, such as multithreaded disconnect/reconnect, where up to six tape drives or other SCSI devices can be accessed simultaneously. The drivers also fully support DMA on a Macintosh IIfx; DMA can only be utilized in preemptive multitasking environments, such as A/UX 2.0. This software includes special utilities to help optimize data transfer rates, tape capacity and backup performance.
$399 retail
$199 retail; when purchased with FWB tape drive
FWB, Inc.; 2040 Polk St., Ste. 215; San Francisco, CA 94109; 415-474-8055 or 415-775-2125 (fax)

CI-Sunset
Connects up to 32 Macintosh computers on an A/UX computer using AppleTalk
Macintosh SE/30 or II family; A/UX 3.0 or later.

CI-Sunset implements the AppleTalk logon capabilities via ADSP. With CI-Sunset, users can simultaneously connect up to 32 Macintosh computers on an A/UX computer via LocalTalk. Other benefits include: provide terminal emulation beyond VT100 on A/UX; MacWorkStation on the A/UX platform; and more (client/server). CI-Sunset is composed of two daemons launched during the start of A/UX in multiuser mode. The package includes one A/UX disk and documentation.
$500 U.S. retail
About Software Corp.; 10601 S. De Anza Blvd., Ste. 211; Cupertino, CA 95014; 408-864-7954 or 408-864-0694 (fax)

DAL Server For Unix
Data Access Language server
Software for Sun SPARCstation, IBM RISC System/6000, HP-9000 and DEC Alpha AXP environments.

Pacer's Data Access Language (DAL) Server for Unix is a powerful tool that provides transparent access from Macintosh and Windows applications to data resident in popular database management systems. DAL is an SQL-based, high-level connectivity

language that implements, in multivendor environments, a broad range of desktop-to-DBMS connectivity tasks. The DAL Server offers access to Ingres, Informix, Oracle and Sybase Unix database management systems from Windows and Macintosh computers running DAL-aware client applications. The ODBC/DAL Server interprets requests for the specific databases, assembles the data and transports the results back across the network to the client application. It eliminates the need for separate query, terminal emulation and file transfer software packages.
$4,000 and up retail
Pacer Software, Inc.; 1900 West Park Dr., Ste. 280; Westborough, MA 01581; 508-898-3300, 800-722-3702 or 508-366-1356 (fax)

GetThePicture
Image database management system
Macintosh Plus or larger.

This powerful integrated software package provides a unique solution for OPI (Open Pre-Press Interface) and image database management. It includes tools designed for managing the storage, retrieval and printing of high- and low-resolution color images. Utilizing a Unix file server, the image database can be quickly searched to locate desired graphics for placement into composite documents like QuarkXPress or PageMaker. Users manipulate only low-resolution versions of images in their documents, resulting in dramatic improvements in production times. At print time the high-resolution image is automatically substituted using IPT's OPI. With GetThePicture, graphic artists and page layout designers can easily and quickly access graphics. GetThePicture includes IPT's uShare, an Image Browser, a print spooler (allows bidirectional printing) and PrintQMgr (allows users to view and monitor print queues from their Macintosh, as well as suspend, delete and move jobs from one print queue to another).
Call for pricing
Information Presentation Technologies, Inc.; 555 Chorro St., Ste. A; San Luis Obispo, CA 93405; 805-541-3000 or 805-541-3037 (fax)

InterPrint
Macintosh to Unix printing
Macintosh Plus or larger; 2 MB of RAM; MacTCP (included); LocalTalk gateway or Ethernet board; System 6.0.5 or later.

InterPrint, the industry's only commercial implementation of an LPR client for the Macintosh, gives Mac users the ability to print to any LPR-based PostScript Unix printer on a TCP/IP network. InterPrint operates through the Chooser, making it as simple to select a Unix printer as it is to specify an Apple LaserWriter. Now Macintosh uses can access a Unix printer on their own local network or across the country using TCP/IP. And new to InterPrint in 1994 is an LPR server for the Mac, allowing Unix, PC and Mac users to print to any specified Chooser printer as an LPR printer.
$195 retail; bundles and discounts available (call for a free 30-day demo copy)
InterCon Systems Corp.; 950 Herndon Pkwy., Ste. 420; Herndon, VA 22070; 703-709-5500, 800-468-7266 or 703-709-5555 (fax)

K-AShare
AppleShare file server software for Unix hosts
Sun, Hewlett Packard or Silicon Graphics computers.

K-AShare allows Unix hosts to act as AFP file servers. Files, folders and volumes stored on remote servers appear as icons to Macintosh users, similar in representation and function to local files, folders and volumes. Both Macintosh and Unix users are provided secure, convenient, transparent access to shared files. System administrators can use Unix backup facilities to archived shared Macintosh files from the Unix host. K-AShare also provides Macintosh users with access to volumes on other Unix machines connected to the server via NFS. A Unix host running K-AShare can still perform all its usual functions. The need for dedicated Macintosh AppleShare servers is eliminated. No additional software is needed on each served Macintosh beyond that supplied with MacOS. A variety of physical network connections between Macintoshes and Unix servers are supported, including all Ethernet systems, as well as combinations of LocalTalk and Ethernet connected through bridges or gateways.
$595 to $5,495 retail; price is based on number of concurrent sessions
Xinet; 2560 9th St., Ste. 312; Berkeley, CA 94710; 510-845-0555 or 510-644-2680 (fax)

K-FS
Extends the RISC processing power of Unix workstations to Macintosh files
Sun, Hewlett Packard or Silicon Graphics computers.

K-FS, an add-on option to Xinet's K-AShare, gives Unix users access to files stored on networked Macintoshes without requiring any additional software to be installed on the Macintoshes. K-AShare and K-FS work in compliment: K-AShare bringing Unix-resident files to Macintosh computers, K-FS bringing Macintosh files to Unix systems. With K-FS, Macintosh folders and files can be viewed and manipulated on the Unix workstation as if they were on the workstation's own disk. Unix users use the processing power of their workstations on Macintosh files and remain in their familiar Unix environment. K-FS also provides a convenient mechanism for backing up entire Macintosh disks automatically from a Unix system. K-FS is a client application that, like K-AShare, is built on Xinet's implementation of the AppleTalk network communications protocols. These protocols run on LocalTalk, Ethernet and FDDI networks.
$295 retail; with any K-AShare license
Xinet; 2560 9th St., Ste. 312; Berkeley, CA 94710; 510-845-0555 or 510-644-2680 (fax)

K-Spool
Network printing software for sharing PostScript printers with Unix hosts
Sun, Hewlett Packard or Silicon Graphics computers.

K-Spool software allows users of Macintosh computers and Unix systems to share PostScript printers. It is a Unix application that functions as a print server for the Macintosh, as well as a gateway to LocalTalk-connected printers for the Unix user. K-Spool may direct its print queues to PostScript printers connected serially, via Ethernet, or on LocalTalk. For Macintosh users, K-Spool is a quick and easy spooler that frees up the Mac immediately for further use. No additional software is needed on each served Macintosh beyond that supplied with MacOS. For the Unix user, K-Spool allows PostScript printers to print ASCII text and ditroff output, as well as PostScript. A variety of physical network connections between Macintoshes and Unix servers are supported, including all Ethernet systems, as well as combinations of LocalTalk and Ethernet connected through bridges or gateways.
$895 retail
Xinet; 2560 9th St., Ste. 312; Berkeley, CA 94710; 510-845-0555 or 510-644-2680 (fax)

NetPrint Sun
Cross-platform printing services for Sun, Macintosh and PC users
SPARC, Sun-4 and Sun-3 families; SunOS 4.x or later; Macintosh Plus or larger and IBM and compatible PCs with AppleTalk printing software; LocalTalk or Ethernet network cabling.

NetPrint Sun provides powerful print services to Sun, Macintosh or PC users. It gives Macintosh and PC users access to the power of NeWSprint and SPARC, including the 12-page-per-minute SPARCprinter. Sun workstations may access PostScript printers, such as LaserJets and LaserWriters. With NetPrint Sun, users can easily and inexpensively share cross-platform printing resources.
$495 retail
Sitka Corp.; 950 Marina Village Pkwy.; Alameda, CA 94501; 510-769-9669, 800-445-8677 or 510-769-8771 (fax)

PacerPrint
Print service for PostScript devices in VMS and Unix environments
Any Unix-compatible system.

PacerPrint is a software product that enables a PostScript-compatible printer (such as an Apple LaserWriter) to be directly connected to a Unix or VMS host or positioned in a Unix or VMS network. File translation from Tektronix 4010/4014 and Diablo 630 for VMS or text format to PostScript for VMS and Unix is provided. With PacerPrint, a common print queue can be used for Macintosh and Unix print jobs.
Included with PacerShare in the Unix environment only; otherwise available separately
Pacer Software, Inc.; 1900 West Park Dr., Ste. 280; Westborough, MA 01581; 508-898-3300, 800-722-3702 or 508-366-1356 (fax)

PacerShare
Unix or VMS AppleShare-compatible file server
Any Unix-compatible system.

PacerShare enables a Unix or VMS host system to transparently act as a large file server for a Macintosh network, providing the same functionality as a dedicated Macintosh running an AppleShare server. The host file system is viewed from the Macintosh as a series of volumes with Unix and VMS directories being represented as folders and files as files. A host text file could, for example, be transparently accessed by both a Macintosh and a host editor. The Macintosh mouse can be used to directly peruse the host file system, create directories, move directory trees or access any host file type from within a standard Macintosh application. The physical connection between the Macintosh and the host system is accomplished via Ethernet using one of several supported hardware and bridge configurations. Licensing is based on the number of simultaneous client connections to the host server software.
$5,000 per host computer and up retail; includes PacerPrint on Unix (PacerPrint sold separately on VMS)
Pacer Software, Inc.; 1900 West Park Dr., Ste. 280; Westborough, MA 01581; 508-898-3300, 800-722-3702 or 508-366-1356 (fax)

Desktop Communications/ Macintosh To Wang

Lightspeed NVS For The Macintosh
Mac to Wang VS
Macintosh Plus or larger; 386-class PC for a gateway.

Lightspeed Mac allows Macintoshes to connect to Wang's VS line of minicomputers. The Lightspeed "connection" actually allows for the shared use of each system's resources, such as printers, files, documents, disk drives, etc. Using the Wang Local Office Connection (WLOC/928) board in a PC, the connection is more than 100 times faster than the asynchronous connection that other connectivity products use. A 386-class PC is required to act as a gateway from AppleTalk to the VS. This is necessary only because Macs cannot accept WLOC cards. With this gateway in place, virtual terminal emulation, file copy, document conversion and message transmissions are all sustained. Print services include VS print redirection to LaserWriters and Mac print redirection to LCS 15 printers. LCS 15 printers are the only Wang VS compatible printers that support PostScript.
$1,300 to $9,750 retail
Lightspeed Software; 1800 19th St.; Bakersfield, CA 93301; 805-324-4291 or 805-324-1437 (fax)

Mac2200 1.11
Wang 2200 terminal emulator
Macintosh 512KE or larger; Wang 2200.

Mac2200 is a Wang 2200 terminal emulator. It provides full support of the 32 special function keys and the complete set of programmer support keys of the Wang terminal as both on-screen buttons and keyboard selections. Version 1.11R, with customized key caps for users of Redshaw Software, is now available. Customization for other software packages is available. The bright, blink, reverse video and underline attributes, box graphics and alternate character sets are emulated. Local printer support, including remote screen dumps, is provided for the ImageWriter I, II or LQ. The Macintosh integration includes cutting and pasting between Mac2200 and other applications via the Clipboard, support of desk accessories and the capability to capture printed text in a Macintosh file. In addition, the emulator allows a Wang Basic-2 programmer to access the Macintosh mouse through special control sequences. All of the features of Mac2200 are user-configurable and can be stored in a document that is automatically loaded by the program. Customizable settings include: row/column coordinate display; Hayes-compatible modem support, including automatic phone dialing; screen color; cursor shape; cursor blink rate; audio alarm volume; and baud rate (300 to 19,200 bps).

These Products Available Through Bottom Line Distribution
1-800-347-1923

$300 retail; program, manual and adapter cable
The Vermont Software Co., Inc.; PO Box 731; Wells River, VT 05081; 802-757-8000 or 802-757-3234 (fax)

VsCom/Macintosh
Wang VS 2110A terminal emulation and document file transfer
Macintosh 512K or larger; available modem or printer port.

VsCom/Macintosh provides Wang VS 2110A terminal emulation. Wang VS function keys are accessible through continuously displayed icons, the Macintosh Extended Keyboard or regular keyboard aliases. VsCom/Macintosh conforms to the Macintosh user interface guidelines, including copy and paste, pull-down menus, MultiFinder and DA compatibility. Simultaneous two-way transfer and conversion of word processing documents and data files between the Mac and Wang VS is easily accomplished. Wang documents supported include standard WP and WP Plus. Macintosh document conversions include MacWrite, Microsoft Word, WordPerfect and DCA Revisable Format Text. Connection can be made locally or remotely from stand-alone Macintoshes or AppleTalk networks to Wang VS ADC, EADC, MLTC and WACS communications ports. Powerful script command files can completely automate the Wang VS terminal access. Wang files can be printed locally on an ImageWriter or LaserWriter. VsCom/Macintosh also provides direct transfer of Macintosh documents and files in and out of Wang Office Mail Boxes.
$395 retail; terminal emulation and file transfer
$195 retail; terminal emulation only
M/H Group; 300 W. Adams St.; Chicago, IL 60606; 312-443-1222

Desktop Communications/ Network Management

AsantéView And AsantéView Lite
SNMP-based network management software for the AsantéHub intelligent Ethernet hubs and bridges
Any Macintosh.

AsantéView is a powerful and easy-to-use software application designed to monitor and control networks via the AsantéHub 2072, 1012 and NetStacker Hubs. It is the first network management software that delivers a graphical interface for local (in-band) and remote (out-of-band) management from both Windows PC and Macintosh platforms. It also supports the Novell NetWare Management System (NMS) platform. With AsantéView, network managers can optimize network performance, investigate traffic bottlenecks and identify network problems before they become critical.
$1,299 retail; AsantéView for Macintosh or Windows, in-band and out-of-band
$399 retail; AsantéView Lite for Macintosh or Windows (cannot be used with 2072)
Asanté Technologies, Inc.; 821 Fox Ln.; San Jose, CA 95131; 408-435-8388, 800-662-9686 or 408-432-7511 (fax)

Bridge Series 3.0
Allow LocalTalk devices to be bridged to extended network protocols
Macintosh Plus or larger; 2 MB of RAM; Ethernet; System 6.0.7 or later.

The Bridge Series consists of five software packages that allow LocalTalk devices to be bridged to extended network protocols, such as Ethernet, Token Ring, FDDI and ISDN. The Bridge Series does not affect the host Macintosh's performance and can even selectively hide or password protect the bridged devices from the rest of the network. Devices most commonly bridged with the Bridge Series include LocalTalk printers and slotless Macs, like PowerBooks, which require access to file and mail services that reside on Ethernet or Token Ring. LaserBridge will connect 10 LocalTalk printers to a host Macintosh network that uses extended protocols. PowerBridge allows users to connect one LocalTalk device to a host Macintosh via the LocalTalk port and to then access network services as if the device was directly connected to the extended network. SuperBridge will connect 10 LocalTalk devices of any kind to a host Macintosh network that uses extended protocols. TCP/IP versions of PowerBridge and SuperBridge are available to allow access to Ethernet-based TCP/IP services, such as NFS, Telnet and FTP from the LocalTalk-based Macs.
$149 retail; PowerBridge
$199 retail; LaserBridge
$249 retail; SuperBridge
$249 retail; PowerBridge/TCP
$349 retail; SuperBridge/TCP
Sonic Systems, Inc.; 1150 Kifer Rd., #201; Sunnyvale, CA 94086; 408-736-1900, 800-535-0725 or 408-736-7228 (fax)

Dayna Network Management System
Network management tools
Macintosh Plus or larger; 2 MB of RAM (4 MB recommended); color monitor recommended.

Dayna's Network Management System consists of Network Vital Signs, a fault monitoring software package, and NetScope Console and NetScope Probe, a software and hardware combination for monitoring traffic on local and remote segments of AppleTalk internetworks. Network Vital Signs is a modular fault monitoring program that runs in the background on any Macintosh computer and monitors the entire network for changes in the status of key AppleTalk network devices, such as file servers, routers, printers and network modems. Network Vital Signs is now shipping Version 1.1 with additional router monitoring and ease of use features. NetScope is a traffic monitoring system consisting of software (NetScope Console) and hardware (NetScope Probe) agents that gather detailed traffic statistics from any segment of an AppleTalk internet. NetScope Probe is a small hardware device that can be connected to either a LocalTalk or Ethernet segment of the network to gather information, such as bandwidth usage and error rates. NetScope Console management software runs on any Macintosh on the network and retrieves information from each Probe.
$1,199 retail; Dayna Network Management System
$399 retail; Network Vital Signs only
$749 retail; NetScope Console and Probe only
$419 retail; additional Probe
Dayna Communications; Sorenson Research Park; 849 W. Levoy Dr.; Salt Lake City, UT 84123; 801-269-7200 or 801-269-7363 (fax)

EtherPeek
Ethernet network analyzer software
Macintosh LC or larger; color monitor recommended; System 6.0.5 or later.

EtherPeek is an Ethernet network analysis package that makes the complex tasks of network monitoring and debugging easy, graphic and customizable. It uses graphs, color and customizable sounds to capitalize on the Macintosh interface and simplify network management. EtherPeek offers features that can localize problems, perform sophisticated diagnostic tests, monitor network loads and events, test hardware and software and provide information for the management and planning of network configurations. EtherPeek works like a phone tap, capturing all data packets on the network. Advanced features include filters that allow captures to be limited to specific addresses and protocols; triggers, a setting that allows user-specified events to start or stop a capture; and audible alarms that warn of threshold violations or new/unknown nodes and protocols. EtherPeek's protocol decoders allow net managers to inspect packet contents, including protocol layers and data. EtherPeek comes configured to decode IP, NetBEUI, NetBIOS, SNMP, ARP/RARP, NetWare IPX (RIP, SAP, NCP), Banyan Vines, DECnet (Phase IV), DEC LAT and MOP, XNS, OSI, IPTalk, AURP and the entire AppleTalk stack. Finally, EtherPeek allows users to construct and send "test" packets onto the network.
$795 retail
The AG Group; 2540 Camino Diablo, Ste. 202; Walnut Creek, CA 94596; 510-937-7900 or 510-937-2479 (fax)

FileWave
Network management
Server and Administrator requires Macintosh with 68020 or larger processor or Power Macintosh; System 7.0 or later. User requires Macintosh Plus or larger or Power Macintosh; System 6.0.5 or later.

FileWave automates software distribution and administration and provides concurrent-use application information on networked and mobile Macintoshes. Users can schedule simultaneous, automatic software installations and upgrades over the network; and download the latest version of an application, mail upgrade, even System-level software immediately or at night. FileWave makes the centralized administration of an organization's templates and documents easy and efficient, bringing updated copies straight to a user's desktop. FileWave goes way beyond remote software installation where administration ends as soon as a file is distributed and which requires complex procedural scripting. FileWave creates a centrally-administered volume on each Macintosh where files continue to be tracked. Users can be assured of having the most up-to-date version of software, retaining hard disk performance of applications without affecting network traffic. All an administrator needs to do to upgrade an application for hundreds of users is a Finder drag and drop of a single icon.
$895 retail; Starter Pak with 20 users
$395 and $1,795 retail; 10 and 50 user Add-on Paks
Wave Research; 2261 Fifth St.; Berkeley, CA 94710; 510-704-3900 or 510-704-3950 (fax)

GraceLAN Asset Manager
Asset-tracking database
Macintosh II; 4 MB of RAM; System 6.0.5 or later.

GraceLAN Asset Manager is an asset-tracking database designed for the network manager who is also responsible for tracking microcomputer hardware and software inventory and maintenance schedules. It stores information that will let a manager track hardware and software details on each system, including serial numbers, locations, vendor information and purchase, warranty and service details. This information can be hand entered or automatically collected and imported from the GraceLAN Network Manager. For those who are not GraceLAN Network Manager registered users, Asset Manager comes with GraceLAN Personal Profiler, a single-workstation profiling utility. GraceLAN Personal Profiler collects system information to be imported into Asset Manager. This comprehensive assembly of critical data can be managed by 4th Dimension's robust searching, sorting and reporting functions to give managers complete pictures of their network environments.
$895 retail
TechWorks; 4030 Braker Ln. W, Ste. 350; Austin, TX 78759; 512-794-8533, 800-688-7466 or 512-794-8520 (fax)

GraceLAN Network Manager
Network management tool
Macintosh II; System 7.0 or later.

GraceLAN Network Manager lets managers troubleshoot their AppleTalk networks in real time without disturbing users and network services. Managers can collect comprehensive information on every Macintosh, PC and printer on an AppleTalk network in seconds, without leaving their desks. This information can be used to identify system and memory configurations, application versions, peripherals, networking tasks and system extensions. Managers can set up custom views of the network to collect selected bits of system information (i.e., just applications, just INITs, etc.). Data can be viewed in real time or stored for future reference. Change reports show administrators what is new or different on the network since the previous scan of a document. Network administrators also have the ability to initiate a virus scan and view the results of that scan for all machines on the network that have Virex 5.1 installed.
$795 retail; single user version
TechWorks; 4030 Braker Ln. W, Ste. 350; Austin, TX 78759; 512-794-8533, 800-688-7466 or 512-794-8520 (fax)

GraceLAN Server Manager
Lets network administrators monitor and control AppleShare file servers from a single remote location
Macintosh II or larger; 2.5 MB of RAM; AppleTalk Phase 2; AppleShare 3.0, 4.0 or Pro; System 7.0 or later.

The GraceLAN Server Manager lets network administrators monitor and control AppleShare file servers from any Mac on the network. Administrators can: add and edit user and group lists; set alarms for various server problems, including crashes, idle users and limited disk space; and monitor long-term server activity trends. Reports are available on server activity

and disk space usage. Several server actions can be scheduled, including the launching of any application, script or document on the server. In short, administrators can perform all of their server management functions without having to go to the server.
$395 retail; one server
$695 retail; five servers
$995 retail; 10 servers
TechWorks; 4030 Braker Ln. W, Ste. 350; Austin, TX 78759; 512-794-8533, 800-688-7466 or 512-794-8520 (fax)

GraceLAN Update Manager
Updates software across an AppleTalk network
Macintosh II; 2 MB of RAM; System 6.0.5 or later.

GraceLAN Update Manager is a flexible tool for updating software across an AppleTalk network. More than just a file transfer utility, Update Manager's intelligent file packages function as if the manager were actually installing them from the user's machine. The packages go only to those who have the right amount of disk space, memory or other characteristics to receive them; the files each know where to go on the recipient's workstation, and Update Manager knows who did what with each package sent. Update Manager uses the same GraceLAN Responder INIT as GraceLAN Network Manager. Managers do not have to install a separate INIT for each product.
$295 retail; single-zone version
$495 retail; multizone version
TechWorks; 4030 Braker Ln. W, Ste. 350; Austin, TX 78759; 512-794-8533, 800-688-7466 or 512-794-8520 (fax)

Help! Network
Configuration management and support tool
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0 or later.

Help! Network is a knowledge-based system management utility that allows network administrators to remotely support networked Macintoshes. The program is designed to help support personnel keep the Macintoshes they support running smoothly by remotely detecting conflicts, incompatibilities and other configuration problems. Help! Network creates easy-to-read diagnostic reports about supported Macintoshes. Reports outline any existing problems and tell exactly how to solve them. Help! Network detects conflicts, incompatibilities, improperly installed files, environmental problems, damaged files and duplicate files.
$520 retail; 25 pack
$989 retail; 50 pack
$1,656 retail; 100 pack
Teknosys, Inc.; 3923 Coconut Palm Dr., Ste. 111; Tampa, FL 33619; 813-620-3494, 800-873-3494 or 813-620-4039 (fax)

KeyServer
Transparent metering enforces site-wide software license compliance
Any Macintosh including Power Macintosh; any System software including A/UX and MAE.

KeyServer manages software license compliance throughout a network. An administrator can install license control into any Macintosh including Power Macintosh or Windows applications and then centrally enforce the most common licenses, including concurrent use, zone restricted and individual user licenses. KeyServer has no detectable impact on a user's environment and makes no assumptions about a user's hardware and software configuration. A keyed application behaves identically to its unkeyed counterpart and can run from a remote file server or a local hard disk. KeyServer is compatible with AppleShare, Novell, Pathworks, etc., but requires no file sever and no dedicated hardware. Network managers can remotely monitor current software usage, view transaction logs and send bulletins to KeyServer users. An audit tool is included that reports on users' software assets and conveniently brings each user's hard disk into license compliance. KeyServer gives users the convenience and performance of stand-alone applications while providing network administrators with central license management, usage reports and access security.
$70 to $35 per client retail; large site and educational discounts available
Sassafras Software; PO Box 150; Hanover, NH 03755; 603-643-3351 (phone/fax)

LANsurveyor
Map-based AppleTalk network management tool
Macintosh Plus or larger.

LANsurveyor is network management software for the Macintosh that logically maps AppleTalk networks. The LANsurveyor map is used as the interface to perform several critical management tasks. LANsurveyor graphically documents the network, provides real-time troubleshooting capability and uses SNMP (Simple Network Management Protocol) to profile and monitor network devices. The map is easily updated to show changes and customized to reflect individual network characteristics. LANsurveyor tests the network for responsiveness, alerts managers to problems and shows how problems relate to other parts of the map. Device profiling, reporting and traffic monitoring features provide data needed to configure the network for efficient performance and to determine resource requirements. All this information and functionality is available using LANsurveyor's graphical user interface. LANsurveyor is available in two sizes: a limited-zone version for small to medium-size networks and an unlimited version for large networks.
$395 retail; five-zone version
$695 retail; unlimited version
Neon Software, Inc.; 3685 Mt. Diablo Blvd.; Lafayette, CA 94549; 510-283-9771 or 510-283-6507 (fax)

LocalPeek
LocalTalk network analyzer software
Macintosh Plus or larger; System 6.0.5 or later.

LocalPeek is a LocalTalk network analysis package that makes the complex tasks of network monitoring and debugging easy, graphic and customizable. It uses graphs, color and customizable sounds to capitalize on the Macintosh interface and simplify network management. LocalPeek offers features that can localize problems, perform sophisticated diagnostic tests, monitor network loads and events, test hardware and software and provide information for the management and planning of network configurations. LocalPeek works like a phone tap, capturing all data packets on the network. Advanced features include filters that allow captures to be limited to specific addresses and protocols; triggers, a setting that allows user-specified events to start or stop a capture; and audible alarms that warn of threshold violations or new/unknown nodes and protocols. LocalPeek's protocol decoders allow net managers to inspect packet contents, including protocol layers and data. LocalPeek currently decodes SNMP, AURP, MacIP and the entire AppleTalk stack (ALAP, DDP, PAP, ASP, ADSP, ATP, RTMP and NBP). Finally, LocalPeek allows users to construct and send "test" packets onto the network.
$495 retail
The AG Group; 2540 Camino Diablo, Ste. 202; Walnut Creek, CA 94596; 510-937-7900 or 510-937-2479 (fax)

Lookout!
Provides an easy way to check basic security status of AppleShare servers
Macintosh Plus or larger; System 7; AppleShare Client software.

Lookout! is a control panel that gives network administrators an easy way to check basic security status of their AppleShare servers. For example, users often inadvertently turn on Guest access to their machines, opening themselves up to others' tampering. Lookout! helps pinpoint these users by showing three basic pieces of information: whether a file server is an AppleShare 2.0, 3.0 or System 7 Fileshare server; whether Guest access is enabled; and, if the Lookout! Macintosh is running Nok Nok, Lookout! can identify the owner of the remote AppleShare server. The information is displayed in the Chooser itself, modifying the AppleShare server names to include the status of those servers. Armed with this information, administrators can then take an appropriate course of action so they can maintain an open environment without compromising security.
$19.95 retail
Trik, Inc.; 400 W. Cummings Park, Ste. 2350; Woburn, MA 01801; 617-933-8810, 800-766-0356 or 617-933-8648 (fax)

MacPing
AppleTalk network troubleshooting tool
Macintosh 512KE or larger; System 4.1 or later.

Just as sonar or radar systems send a signal and wait for an echo, MacPing sends "probe packets" (usually AppleTalk Echo Request packets) into a network and waits for responses from the various devices on the network. The arrival of these response packets (or the lack of responses), along with the time the responses take to arrive, can help find troubles in the network. MacPing can test devices anywhere on a network. Users simply choose the desired zone from the Zone pop-up menu. If that zone contains multiple networks, users choose the desired network number from the Network menu. MacPing differs from other network testing programs in that it tests all the devices on a particular network in parallel. This allows users to compare the performance of different devices on the same wire to determine the cause of network problems.
$69 retail
$149 retail; site license
Dartmouth College; Software Sales; 6028 Kiewit Computer Center; Hanover, NH 03755; 603-646-2643 or 603-646-2810 (fax)

MacToken
Token-Ring network frame-capturing diagnostic tool
Macintosh II; 2 MB of RAM; hard disk drive; Apple Token-Ring card or Avatar's LanWay 16/4 Mbps card.

MacToken is a diagnostic tool for troubleshooting Apple, IBM, Novell and all IEEE 802.5 token-ring networks. Unique features include: display a logical map of the token-ring network; track down problems such as broken connections; retrieve information on device names and addresses, network numbers, ring status and error counts; display the correlation between each station and its next active upstream neighbor (NAUN) on the ring; use HyperCard to maintain network forms online; print and export the ring map to disk; sort network information in ascending or descending sequence, alphabetically or in ring order; select any slot that has a token-ring card; display significant events in color (highlight problem situations in the ring status window, new ring events, etc.); display a dynamically changing graph of real-time network performance; and display and print the network event log. MacToken includes an AppleTalk Interpreter, which interprets all layers of the AppleTalk protocol.
$1,250 retail; software only
$1,995 retail; with Avatar's LanWay 16/4 adapter
EDI Communications Corp.; 20440 Town Center Ln., Ste. 4E; Cupertino, CA 95014; 408-996-1343 or 408-996-7693 (fax)

MailMan
Receives alerts and messages from the TalkManage station
Macintosh II family; TalkManage.

MailMan receives alerts and messages from the TalkManage station to support fault alarm forwarding for unattended or after hours operations and proactive alerts or advisories to remote users even if the E-mail system is down. Features include: allows proactive network administrators to inform users of network status as it happens; establishes the TalkManage management station as the message source; forward alarm warnings to remote key network personnel from unattended TalkManage management station; network alerts can be sent by the network manager/administrator with or without TalkManage active and will not disrupt TalkManage operations; directed and/or broadcast messaging to any Macintosh user(s) across the internet; reliable, asynchronous messaging service without requiring a dedicated mail sever; and simple installation and use-automatically configured.
$17.95 retail
Distributed Technologies Corp.; 275 Wyman St.; Waltham, MA 02154; 617-684-0060 or 617-684-0072 (fax)

MultiGate Manager SNMP
SNMP network management software
Macintosh II or Quadra family.

MultiGate Manager SNMP allows users to manage any network devices that support SNMP (Simple Network Management Protocol), including routers, hubs, file servers and workstations. MultiGate Manager's intuitive interface may be customized by a user for optimal management of a network. Users may

These Products Available Through Bottom Line Distribution
1-800-347-1923

create multiple logical views of manageable devices. Critical device information is placed at an administrator's fingertips, including device name, IP address, the status of each device's network interfaces, alarms and TRAPs (important device messages). Complete management of MIB II and most standard MIBs, plus support for most private MIBs via NRC's patented "Drop-In" MIB support is provided. MIB II includes critical information and must be supported by all SNMP devices. Other MultiGate Manager features include the ability to ping any TCP/IP device, logging of statistics, variable polling rates for each window, a network log of TRAPs, page support for event notification and the ability to hide individual windows. MultiGate Manager uses Apple's MacTCP software (included) for full compatibility.
$2,995 retail
Network Resources Corp.; 61 E. Daggett Dr.; San Jose, CA 95134; 408-383-9300

Net Watchman
AppleTalk network early-warning monitor
Macintosh Plus or larger; System 6.0.5 or later.

Net Watchman is a comprehensive early-warning system for AppleTalk networks. It uses the AppleTalk protocols to monitor all zones, bridges, nodes and services, and notifies a network manager when there is a change in functionality or network integrity. When problems occur, a network manager can choose to be notified audibly, visually or by an electronic pager (via the page server Notify! from Ex Machina, Inc.). All alarms are logged to a file for later review. Net Watchman capitalizes on the intuitive Macintosh interface by graphically highlighting network information, featuring customizable sounds and user-definable polling intervals. Net Watchman can run under MultiFinder and sound an alarm even if it is not the application currently in use. Net Watchman also allows network managers to query nodes about types and versions running to assist in increasing compatibilities across the network. Version information returned includes System, Finder, LaserWriter, AppleShare, AppleTalk Driver and Responder. Because Net Watchman uses high-level AppleTalk protocols, it will work with any physical medium that supports these protocols, such as thick, thin and twisted-pair Ethernet, LocalTalk and PhoneNET.
$295 retail
The AG Group; 2540 Camino Diablo, Ste. 202; Walnut Creek, CA 94596; 510-937-7900 or
510-937-2479 (fax)

NetAtlas 2.0
Creates a map of one or many networks and zones in a complex internet
Macintosh Plus or larger.

NetAtlas creates an accurate map of one or many networks and zones in a complex internet so a manager can understand exactly how computers and other devices are connected via network cables and routers. When used in conjunction with Farallon StarCommand and Timbuktu, NetAtlas enables network managers to create an accurate network map and then manage both Farallon network hardware and network users from one interface. The software creates color-coded icons for each network server, printer, workstation and router, and then provides detailed information, which can be sorted, about each network node so network managers can see who needs to update System software, etc. NetAtlas also features a comparison capability that enables a network manager to see changes between two internet maps to closely monitor network changes over time. Each color map may be saved as a PICT file, printed and saved as a Microsoft Excel file to be used as the basis of network report charts.
$695 retail
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or
510-814-5020 (fax)

NetMap
Network management and diagnostics tool for AppleTalk networks
Macintosh 512K or larger.

NetMap provides a diagnostic means for visually troubleshooting AppleTalk networks. With NetMap, users can: track down problems, such as broken connectors within an AppleTalk network; retrieve, in a convenient columnar format, information on device names, device types, network names and numbers, device nodes and end sockets; easily locate a given device within a device list using the sort function; use Excel or any Macintosh spreadsheet that allows importation of the saved spreadsheet-ready data file; use a Chooser-like menu to select a target network from a network list; and customize look-up requirements to fit network traffic and total network size.
$99 retail
AESP, Inc.; 1810 NE 144th St.; N. Miami Beach, FL 33181; 305-944-7710, 800-446-2377 or
305-652-8489 (fax)

NetMinder Ethernet
Network management
Macintosh SE or larger; 2 MB of RAM; System 6.0 or later.

NetMinder Ethernet transforms a Macintosh into a powerful Ethernet network analyzer. This software-only program uses the Ethernet card in the computer to capture, analyze and decode data as it flows through the network. It includes all the features needed to troubleshoot, debug and monitor a LAN. NetMinder Ethernet eliminates network downtime by enabling users to quickly pinpoint problems with the network's configuration, protocols and architecture. Powerful features include packet filtering, triggering and protocol decoding for a wide range of protocol types, including AppleTalk, TCP/IP, XNS, DECnet, Novell Netware, Banyan Vines and Bridge/3Com. The program's elegant design and intuitive user interface let users begin solving network problems immediately. NetMinder is System 7 compatible. New features include real-time graphs of network traffic and artificial intelligence system to automatically find network problems.
$695 retail
Neon Software, Inc.; 3685 Mt. Diablo Blvd.; Lafayette, CA 94549; 510-283-9771 or 510-283-6507 (fax)

NetMinder LocalTalk
Network analyzer
Macintosh Plus or larger; 2 MB of RAM; System 6.0 or later.

NetMinder LocalTalk transforms a Macintosh into a powerful LocalTalk network analyzer. This software-only program uses the hardware in a Macintosh to capture, analyze and decode data as it flows through the network. It includes all of the features needed to troubleshoot, debug and monitor a LAN. NetMinder LocalTalk eliminates network downtime by enabling users to quickly pinpoint problems with the network's configuration, protocols and architecture. Powerful features include packet filtering, triggering and protocol decoding for all AppleTalk protocols. NetMinder is System 7 compatible.
$395 retail
Neon Software, Inc.; 3685 Mt. Diablo Blvd.; Lafayette, CA 94549; 510-283-9771 or 510-283-6507 (fax)

netOctopus
Network management
Macintosh Plus or larger; System 6.0.5 or later.

netOctopus is a network workstation management tool that allows Macintosh-based administrators to gain control over the configuration of Macintosh and PC machines on their network. netOctopus polls and interacts with these network nodes without interfering with their regular operation. In addition to building an extensive index of the hardware and software configurations of all network nodes, netOctopus can install and delete software applications and data files. IBM PC and compatibles running the IPX ODI protocol can also be configured with the netOctopus PC agent and become part of the network, allowing the same functions to be carried out as with Macintosh workstations. The IPX ODI protocol stack is supplied with netOctopus. Support for scripting languages such as AppleScript lets administrators automate many tasks by using other AppleEvent-aware applications, such as spreadsheet or database programs in conjunction with netOctopus. Using AppleScript will also allow users to build their own custom installation scripts, add AppleScript menus in netOctopus and attach scripts to these menus. netOctopus can monitor software usage on the network with the supplied Software Meter, as well as conduct Software Audit reports and Software Compatibility reports.
$645 retail; administrator application plus 10 users
MacVONK Canada Inc.; 940 6th Ave. SW, #1100; Calgary, Alberta, Canada T2P 3T1; 403-232-6545, 403-232-6425 (fax) or (49) 9134-7447 (in Europe)

NetPatrol Pack
Comprehensive network management bundle
Macintosh LC or larger; System 6.0.5 or later; color monitor recommended.

The NetPatrol Pack is a comprehensive bundle of Macintosh-based network management tools that help minimize downtime, optimize performance, plan configurations and account for network resources. It includes four products: EtherPeek, Ethernet network analyzer; LocalPeek, LocalTalk network analyzer; TokenPeek, Token Ring network analyzer; and Net Watchman, AppleTalk early-warning monitor. EtherPeek, LocalPeek and TokenPeek work like a phone tap, capturing all data as it travels down the wire. Once the data is captured, EtherPeek, LocalPeek and TokenPeek are powerful tools for debugging and monitoring a network. They display captured packets and network statistics in real time, so users can see as the network changes. Users can double-click on headers to see packet contents fully decoded. LocalPeek includes decoders for SNMP, AURP, MacIP and the entire AppleTalk stack. EtherPeek adds decoders for IP, NetBEUI, NetBIOS, SNMP, ARP/RARP, NetWare IPX (RIP, SAP, NCP), Banyan Vines, DECnet (Phase IV), DEC LAT and MOP, XNS, OSI and IPTalk. TokenPeek also includes decoders for SNA. All three products let users set triggers to start and stop capture based on specified network events, set filters to isolate traffic and packets of interest and set audible and visual alarms to highlight network events. They also allow users to generate network traffic or send test packets to test connections and performance under varying load conditions.

Net Watchman is a dynamic AppleTalk network monitoring system. It uses the AppleTalk protocols to monitor all zones, bridges, nodes and services, and notifies a network manager when any item disappears or reappears, or if there is a change in functionality. If any problems occur on the network, an alarm notifies the network manager before a phone call from a disappointed user.
$2,295 retail
The AG Group; 2540 Camino Diablo, Ste. 202; Walnut Creek, CA 94596; 510-937-7900 or
510-937-2479 (fax)

NetTime 2.0
Synchronizes Macintosh clocks over a network
Macintosh Plus or larger; System 7.0 or later.

NetTime synchronizes clocks over a network. The product is ideal for Macintosh PowerBook users who dial into their networks from remote sites. NetTime provides a consistent time stamp for dial-in access, data entry, electronic mail and logging. It keeps accurate file "Last Modified" dates on shared volumes. The product automatically dials into a time service to access the actual time. An entire network can be switched to daylight savings time from one Macintosh. NetTime supports local time zones on multiple time zone networks. Time zones can be edited to teach NetTime which cities or areas are frequented most. NetTime does not require a dedicated server — any Macintosh can be a time server.
$69 per two-pack retail; volume discounts available
Jeddak; 45 S. Park Victoria, Ste. 430; Milpitas, CA 95035; 800-982-6900 or 800-322-6900 (fax)

Network Security Guard
Network management and security utility
Macintosh Plus or larger; AppleTalk network; System 6.0.5 or later.

Network Security Guard is an AppleTalk-based utility that will scan multiple zones for the presence of Macintosh servers and compile reports on the security of those servers. This utility was designed as a tool to combat the alarming rise in software piracy and as a safeguard against accidental sharing of confidential materials. It may also be used to explore an AppleTalk network to uncover all available servers and files. The reports provided by Network Security Guard include the following data: computers that have file sharing enabled; servers that allow guest access; a list of files accessible to guests; and a report, alerting users to suspicious configurations on the network. Other features include: the ability to schedule checks to

minimize network load; the ability to search for specific file names on the network; and online help. Network Security Guard is available in three, 10 and unlimited zone versions. Trial versions are available for downloading from most major online systems.
$219 retail
MR Mac Software; PO Box 2547; Del Mar, CA 92014; 619-453-2845

NetWorks
Network monitoring
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later.

NetWorks is software that uses standard pagers, E-mail and alarms at the terminal to alert network managers of potential problems on their network. NetWorks monitors all AppleTalk, TCP/IP, Novell IPX, DECnet and SNMP registered nodes, servers, routers, printers and network services and alerts a manager when any of these disappear or reappear on the network via a paging device or electronic mail — not just on their terminal. Automatic follow-up procedures can be used to escalate the problem to others when a trouble report remains unresolved. NetWorks also monitors server disk space and reports on LaserWriter status. NetWorks flexible notification and follow-up features make sure that network problems are not just identified, but resolved.
$995 retail; unlimited version
$398 retail; Gold level support
$248 retail; standard level support
Caravelle Networks Corp.; 301 Moodie Dr., Ste. 306; Nepean, Ontario, Canada K2H 9C4; 613-596-2802, 800-363-5292 or 613-596-9659 (fax)

Nok Nok
File sharing monitor
Macintosh Plus or larger; System 7.0.1 or later.

Nok Nok alerts users of System 7 when others attempt to "visit" their Macintosh. Nok Nok increases security by identifying all visitors by name, even those attempting to log in as "guest," and notifying users of file sharing connections with a dialog, flashing icon, sound or opening of the sharing monitor window. If users are away from their machine, Nok Nok maintains a log of connections for later review. Nok Nok helps improve performance by allowing users to restrict the amount of time others can stay connected.
$50 retail
The AG Group; 2540 Camino Diablo, Ste. 202; Walnut Creek, CA 94596; 510-937-7900 or
510-937-2479 (fax)

Nok Nok A/S
File server monitor
Macintosh Plus or larger; System 7.0.1 or later; AppleShare 3.0 or later; 4 MB of RAM.

Nok Nok A/S extends the functionality of AppleShare administration in three areas: security, performance and configuration planning. Nok Nok A/S increases security by identifying all visitors by name, even those attempting to log in as "guest," and notifying the administrator of file sharing connections with a dialog, flashing icon, sound or opening of the sharing monitor window. Nok Nok A/S helps improve performance by providing a mechanism for automatically disconnecting users who are idle or connected for an inappropriate period. Nok Nok A/S simplifies configuration planning and management with detailed statistics tracking server usage by time, user and location of user.
$175 retail
The AG Group; 2540 Camino Diablo, Ste. 202; Walnut Creek, CA 94596; 510-937-7900 or
510-937-2479 (fax)

PacketSend
Allows users to interrogate routers
Macintosh II or larger; System 7.

PacketSend allows users to send ZIP Query, ZIP GetNetInfo, ZIP GetZoneList, ZIP GetLocalZones and RTMP Route Data Request. They can query any network or zone in their internet. With PacketSend, users can question a particular router or all of the routers on a backbone at the same time. The easy-to-follow manual will show users how to set EtherPeek filters to screen out the answers, and quickly find a router with incorrect network or zone information.
$50 retail
The Network Group, Inc.; 128 N. 82nd St.; Seattle, WA 98103; 206-789-3111 or 206-784-7023 (fax)

Quota 3.0
Macintosh license server
Macintosh Plus or larger; any AFP-compatible network; System 6.0 or later.

Quota is a Macintosh license server that controls concurrent application use on local area networks by limiting application launches to the total number of licensed copies. If all copies of an application are in use, Quota prevents additional copies from being launched and provides a queuing option that notifies waiting users when the application becomes available. All applications that are monitored by Quota are fully copy protected and will not function unless the license server has authorized the launch, making illegally copied software useless. Quota also supports a "Check Out" feature that enables authorized individuals to disconnect their computers from the network and use any of the installed applications for a limited time. A comprehensive audit trail feature records many types of user and application activity, such as log in/out, application launches, launch denials, administrative access and printing. This audit trail data can be used for tracking network usage patterns and for justifying future software investments.
$495 retail; 20-user edition
Proteus Technology; 9919 68th St.; Edmonton, Alberta, Canada T6A 2S6; 403-448-1970 or
403-465-5322 (fax)

Radar 4.0
Network administration
Macintosh Plus or larger.

Radar is a network administration package that allows an administrator of a Macintosh local area network to perform information gathering functions, such as list dedicated hardware and software for a particular node. The workstation can be administered through file downloading, system updating and clock synchronization. Information can be gathered about networked printers, i.e., number of pages printed and fonts, and Radar also has the ability to download fonts, rename the printer and turn the startup page on/off, etc. All the above features can be performed through the report generator over multiple machines, producing a spreadsheet-style report that can be viewed, printed or imported into other applications. The entire network can be viewed via a topology map that shows all nodes and their services. Alarms can be set through the topology to notify the administrator of various occurrences, such as a server going down or a printer running out of paper. Alarms can be sent to an E-mail gateway, a pager, the screen or a log. Radar is fully System 7 compatible and supports balloon help.
$499 retail
Sonic Systems, Inc.; 1150 Kifer Rd., #201; Sunnyvale, CA 94086; 408-736-1900, 800-535-0725 or
408-736-7228 (fax)

RouterCheck
Tracks and monitors AppleTalk routers
Macintosh Plus or larger.

RouterCheck tracks and monitors AppleTalk routers from a Macintosh located anywhere on the internet. RouterCheck profiles and reports router configuration information by compiling a list of AppleTalk routers' net, node and zone name. Information such as router type, name, serial number, model number and software version can also be obtained, depending on the type of router. RouterCheck identifies and records zone configuration errors and recommends actions to correct them. Powerful monitoring and graphing features enable users to optimize network performance and alert them to potential problems. RouterCheck supports SNMP.
$649 retail
Neon Software, Inc.; 3685 Mt. Diablo Blvd.; Lafayette, CA 94549; 510-283-9771 or 510-283-6507 (fax)

Skyline
Traffic archiving and analysis software
Macintosh SE/30 or larger; System 6.0.5 or later; color monitor recommended.

Skyline provides managers of mixed vendor, multiple-protocol networks with a graphic history of network traffic and utilization in the form of a skyline chart. For any time period represented, Skyline will display, with point-and-click simplicity, details about network utilization in the aggregate, as well as by node. Skyline is designed to provide a great deal of information visually. The main window shows a histogram-type chart, each bar representing network utilization over a time period ranging from 1 second to hours or even days. The bars may be assigned varying colors, depending on the level of traffic represented. A number of secondary windows provide detail on a specific time period in the main window. Double-clicking on a bar in the main window instructs Skyline to detail the traffic in that time period by node (transmission and destination as a percentage of overall network traffic) and protocol (traffic by protocol type as a percentage of network traffic). Skyline is designed to assist network managers in their efforts to troubleshoot and debug networks, practice proactive network management, optimize existing hardware and plan for future expansion.
$695 retail
The AG Group; 2540 Camino Diablo, Ste. 202; Walnut Creek, CA 94596; 510-937-7900 or
510-937-2479 (fax)

SoftLibrarian 2.0
Manages software applications and prevents software piracy on a Macintosh network
Macintosh Plus or larger; System 7.0 or later.

SoftLibrarian manages software and prevents software piracy on Macintosh networks or stand-alone machines. It allows users to create libraries to define how software will behave, add their software to the libraries as members and use AppleShare or file sharing to create software servers. Features include: license control, copy and version control, custom dialog and logging software use. SoftLibrarian meters six types of licenses: Copy, User, CPU, Server, Unlimited and Concurrent Use. Member applications that cannot find the library cannot be used, preventing illegal use of software. Every application added to a library can be configured uniquely. Users can turn on software logging to monitor trends when buying new software or upgrades. Members are automatically copied to local hard disks to minimize network traffic. SoftLibrarian works with or without a network or server.
$169 retail; volume discounts available
Jeddak; 45 S. Park Victoria, Ste. 430; Milpitas, CA 95035; 800-982-6900 or 800-322-6900 (fax)

Status*Mac V3.0
Allows Macintosh managers to perform comprehensive, system-wide hardware/software audits and inventories
Macintosh 512KE or larger; hard disk drive; System 6.04 or later.

Status*Mac allows Macintosh network and support managers to perform system-wide inventories, asset tracking, workgroup standards management, software license compliance verification and System 7 transition tasks. It enables managers to remotely gather comprehensive information about all hardware and software associated with each Macintosh within their domain. This includes non-networked and dial-in Macintoshes. The administrator has the option of gathering data immediately, at a scheduled day/time or automatically on shutdown. Information is returned as Status*Mac "profiles." Profiles are imported into the Macintosh manager's Master Database for in-depth analysis. Managers can generate their own reports or use any of Status*Mac's 75 built-in expert reports to identify common support problems. Status*Mac includes the System 7 Readiness Kit with Status*Checker, a special application that allows Apple's Compatibility Checker stack to run against a Status*Mac database. Version 3.0 features charts, remote updating and profiling of PostScript printers.
$749 retail; 25 users
$2,699 retail; 100 users
ON Technology, Inc.; One Cambridge Center; Cambridge, MA 02142; 617-374-1400, 800-548-8871 or 617-374-1433 (fax)

System Installation Tracker
Creates a schematic of a user's network
Macintosh Plus or larger; HyperCard.

System Installation Tracker allows users to quickly create a schematic of their network with each device represented by a button. By clicking on any device, users are taken to a card with information about the device, such as service contract, serial number, user

These Products Available Through Bottom Line Distribution
1-800-347-1923

access, software, service history and more. Adding or removing devices is a snap and general notes about the entire network can be maintained. It also supports multiple floor plans.
$25 retail
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

TalkManage
Network management software
Macintosh II family; 5 MB of RAM recommended for larger networks; math coprocessor recommended.

TalkManage performs across the entire enterprise-wide AppleTalk internetwork, regardless of the physical media, to provide auto discovery, inventory management, configuration and topology mapping, integral third-party router and hub access, remote fault traps, alarms and logs. Features include: establish a concise framework and toolset for AppleTalk network management; manage AppleTalk as part of the corporate backbone; respond to the entire AppleTalk internet from a single point, across the routers; provide a consistent framework for multivendor router management; isolate and collect empirical service levels and thresholds; in conjunction with the MailMan option, notify the network administrator of an incoming alarm remotely; accumulate and report essential management information to assess network costs; and optimize the planning for network growth and change to support business goals.
$695 and up retail
Distributed Technologies Corp.; 275 Wyman St.; Waltham, MA 02154; 617-684-0060 or 617-684-0072 (fax)

TalkStat/TalkSpy
Provide traffic statistics, network performance and packet data from LocalTalk/PhoneNET networks
Macintosh II family; 4 MB of RAM recommended; math coprocessor recommended.

TalkStat and TalkSpy provide traffic statistics, network performance and packet data from LocalTalk/PhoneNET networks to supply network behavior profiles and trends; isolate causes of bottlenecks and errors; and utilization and capacity planning.

TalkStat performance and utilization features five real-time graphical windows, independently controllable, that display key LocalTalk/PhoneNET network performance statistics for network analysis and trouble shooting, simultaneous, background data collection of network utilization summary, protocol utilization and packet error statistics at separate controller, user-specified intervals for historical network profiling and trend analysis.

TalkSpy features include: identify network and packet errors on LocalTalk/PhoneNET network segments; isolate corrupt packets that cause network integrity errors; trace packets that are symptomatic of network degradation or future failure; and detailed packet header information is available for all AppleTalk protocols.
$395 retail; both programs
Distributed Technologies Corp.; 275 Wyman St.; Waltham, MA 02154; 617-684-0060 or 617-684-0072 (fax)

TechWorks Net Utilities
Five assorted network management applications
Macintosh Plus or larger; System 6.0 or later.

TechWorks Net Utilities is a collection of tools for keeping track of network devices and alerting network administrators to network problems. These include an alarm system that notifies the administrator if specified devices appear or disappear from the network; a packet timer for testing connections between devices; printer querying for fonts, memory and status; name scanning for basic Macintosh information (node ID, network ID, socket number, etc.); and real-time conferencing. This collection has been designed as a basic, affordable alternative to high-end network management systems.
$129 retail
TechWorks; 4030 Braker Ln. W, Ste. 350; Austin, TX 78759; 512-794-8533, 800-688-7466 or 512-794-8520 (fax)

TokenPeek
Token Ring network analysis software
Macintosh SE/30, II or larger; color monitor recommended; System 6.0.5 or later; Token Ring network interface.

TokenPeek is a Token Ring network analysis package that makes the complex tasks of network monitoring and debugging easy, graphic and customizable. It uses graphs, color and customizable sounds to capitalize on the Macintosh interface and simplify network management. TokenPeek offers features that can localize problems, perform sophisticated diagnostic tests, monitor network loads and events, test hardware and software and provide information for the management and planning of network configurations. TokenPeek works like a phone tap, capturing all data packets on the network. Advanced features include filters that allow captures to be limited to specific addresses and protocols; triggers, a setting that allows user-specified events to start or stop a capture; and audible alarms that warn of threshold violations or new/unknown nodes and protocols. TokenPeek's protocol decoders allow net managers to inspect packet contents, including protocol layers and data. TokenPeek comes configured to decode SNA, IP, NetBEUI, NetBIOS, OSI, SNMP, ARP/RARP, NetWare IPX (RIP, SAP, NCP), Banyan Vines, DECnet (Phase IV), DEC LAT and MOP, XNS, IPTalk, AURP and the entire AppleTalk stack. Finally, TokenPeek allows users to construct and send "test" packets onto the network.
$995 retail
The AG Group; 2540 Camino Diablo, Ste. 202; Walnut Creek, CA 94596; 510-937-7900 or 510-937-2479 (fax)

TrafficWatch II
Network traffic monitor
Macintosh Plus or larger.

TrafficWatch II monitors traffic on Ethernet and LocalTalk networks. By tracking network traffic over time, TrafficWatch II provides the information users need to make decisions about adding new devices to the network or redistributing devices or services to maximize the network's performance. Real-time displays include network utilization, traffic rates for individual nodes, protocol usage and error rates. And for long-term trend analysis, TrafficWatch II can autosave traffic information for import to the TrafficChart Excel macros included with the application. TrafficChart creates illustrations of traffic information in graph form for presentation. Beginning with release 2.0, TrafficWatch II runs on a full range of Ethernet interfaces and can monitor protocol usage for a broad range of Ethernet protocol types, including TCP/IP, NetWare, DECnet and AppleTalk.
$495 retail
Neon Software, Inc.; 3685 Mt. Diablo Blvd.; Lafayette, CA 94549; 510-283-9771 or 510-283-6507 (fax)

WatchTower
Network management
Macintosh SE or larger; 2 MB of RAM; MacTCP (included); LocalTalk/IP gateway; EtherTalk-compatible Ethernet adapter; System 6.0 or later.

From a practical standpoint, a network manager is primarily concerned with fault detection, isolation and resolution with a minimum of service interruption. To this end, the primary functions of a network management station, such as WatchTower, are to provide ready access to statistics and information about each available network entity, to present the network information in a useful form and to alert a manager of problems or potential problem situations. WatchTower creates this ideal environment in which all network components are manageable, and a user's management station is available and manned at all times. This allows the maximum amount of flexibility and accuracy in fault isolation, as well as a method for early warning detection. WatchTower is built around SNMP, the Internet standard for network management. Therefore, it is not dependent upon any proprietary protocols for monitoring and management, and should require no additional cost or engineering to manage a diverse group of network entities. Already, the majority of the networking industry has embraced SNMP by providing agents in existing products, enabling network managers to take advantage of the full power of the WatchTower management station.
$2,495 retail; single-user station
$1,747; VAR, university
InterCon Systems Corp.; 950 Herndon Pkwy., Ste. 420; Herndon, VA 22070; 703-709-5500, 800-468-7266 or 703-709-5555 (fax)

Desktop Communications/ Online Information Services

Accu-Weather Forecaster
Weather information retrieval
Macintosh Plus or larger; 1 MB of RAM; 800K disk drive; System 4.2/Finder 6.0 or later; modem.
$24.95 retail
The Software Toolworks; 60 Leveroni Ct.; Novato, CA 94949; 415-883-3000, 800-234-3088 or 415-883-3303 (fax)

America Online 2.0
Nationwide online service
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.

America Online is a nationwide online service that features a graphic software interface for Macintosh owners that provides intuitive, easy-to-use online navigation. Services offered include extensive computing support, software libraries, computer forums, a technical product database and "Small Business Center" from Microsoft and news about Apple Computer, Inc. Consumer-oriented services, such as electronic mail, fax (no special equipment needed), bulletin boards, multiplayer games, travel, stock quotes, electronic magazines and newspapers and a chat area are also featured.
Software kit is free; also available in PC-compatible and Apple II format
$9.95 per month; membership fee (includes five free connect hours per month)
$3.50 per hour; 24 hours a day
America Online, Inc.; 8619 Westwood Center Dr.; Vienna, VA 22182; 703-448-8700, 800-827-6364 or 703-883-1509 (fax)
FAX©NDEMAND 1-800-872-3293 **190**

AXS OnLineReader
Opens a picture window on the world of digital images
Macintosh with 68020, 68030 or 68040 processor; 5 MB of RAM; QuickTime; System 6.0.5 or later.
$350 retail
AXS; 1301 Marina Village Pkwy.; Alameda, CA 94501; 510-814-7200 or 510-814-6100 (fax)

CompuServe Information Service
Online information service
Any Macintosh.
$49.95 retail; Membership Kit (includes $25 usage credit and CompuServe Information Manager for the Macintosh)
CompuServe, Inc.; 5000 Arlington Centre Blvd.; Columbus, OH 43220; 800-848-8199

Computer Listings Network
Interactive user network that provides a variety of ways for subscribers to communicate to facilitate sales and buying
Macintosh Plus or larger; communications software; modem.
$5 per month retail; subscription
James E. Carroll & Associates, Inc.; 1583 Stonegate Way; Snellville, GA 30278; 404-978-2760 or 404-978-8719 (fax)

Connect Advanced Messaging Systems, Macintosh Version 1.55
Global electronic communications service for sales automation, customer support and channel system
Macintosh 512KE or larger; 1 MB of RAM; 800K disk drive or hard disk drive (recommended); Hayes-compatible modem; System 6.0 and Finder 6.1 or later.
Call for pricing; German, French, Italian and Spanish software available [call 49-(0)-89-33-9060 or 49-(0)-89-34-1384 (fax) for European contact]
Connect Inc.; 10161 Bubb Rd.; Cupertino, CA 95014; 408-973-0110 or 408-973-0497 (fax)

DASnet Service
Electronic mail link between most major systems world wide; provides value-added services
Macintosh memory requirement depends on communications package or LAN used.
Prices for each alternative are as follows, plus messaging charges:
Free setup and monthly subscription; from services that include DASnet as standard
$33.50 ($4.75 monthly) retail; from other services
$279 starting price ($39 to $500 monthly) retail; typical retail for direct connect to LAN or host
DA Systems, Inc.; 1503 E. Campbell Ave.; Campbell, CA 95008; 408-559-0148

Delphi
Online information service
Any Macintosh; communications package.
$10 per month retail; 10/4 Plan (includes first four hours and free access to all help and billing files)
$4 per hour retail; hourly rate after first four hours
$20 per month retail; 20/20 Advantage Membership (includes 20 hours of usage and free access to all help and billing files)
$1.80 per hour retail; hourly rate after first 20 hours
Delphi Internet Services Corp.; 1030 Massachusetts Ave.; Cambridge, MA 02138; 617-491-3342, 800-695-4005 or 617-491-6642 (fax)

Dialog
Online information service
Any Macintosh.
Call for pricing
Dialog Information Services, Inc.; 3460 Hillview Ave.; Palo Alto, CA 94304; 415-858-3785, 800-334-2564 or 415-858-7069 (fax)

Dow Jones News/Retrieval Membership Package
Online information service
Macintosh Plus or larger; one 800K disk drive; hard disk drive recommended; System 3.2 and Finder 5.3 or later; Hayes or 100 percent compatible modem; printer optional, but recommended.
$29.95 retail
Dow Jones & Co., Inc.; PO Box 300; Princeton, NJ 08543; 800-815-5100 or 609-520-4660 (fax)

Echo
Interactive electronic community and Internet gateway
Any Macintosh; modem.
$19.95 per month retail; 30 hours
$13.75 per month retail; 30 hours (students)
$1 per hour retail; each additional hour
Echo Communications Group, Inc.; 97 Perry St., Ste. 13; New York, NY 10014; 212-255-3839

GEnie
Online information service
Any Macintosh.
Call for pricing
General Electric Information Services; 401 N. Washington St.; Rockville, MD 20850; 301-340-4000, 800-638-9636 or 301-340-4488 (fax)

Lexis/Nexis
Online information service for news, business and legal information
Macintosh 512K or larger.
$50 retail; Lexis/Nexis Communications Software V1.5
Mead Data Central; PO Box 933; Dayton, OH 45401; 800-227-4908

MCI Mail
Online information service; electronic mail system
Any Macintosh.
Call for pricing
MCI Mail; 1111 19th St. NW, Ste. 500; Washington, DC 20036; 800-444-6245

NewsNet, Inc.
Online information service
Any Macintosh.
$120 per year retail; subscription fee
$15 retail; month-by-month subscription fee
$60 per hour retail; 300/1,200-baud connection
$90 per hour retail; 2,400-baud connection
Special starter and subscriber kit packages are also available
(rates are subject to premiums for higher access speeds and publisher read charges)
NewsNet, Inc.; 945 Haverford Rd.; Bryn Mawr, PA 19010; 610-527-8030, 800-345-1301 or 610-527-0338 (fax)

Prodigy Interactive Personal Service
Online information service
Macintosh Plus or larger; 1 MB of RAM; 1,200 or 2,400 bps modem.
$49.95 retail; start-up kit with three months free service
$219.95 retail; with Hayes Personal Modem 2400
Prodigy Services Co.; 445 Hamilton Ave.; White Plains, NY 10601; 914-993-8001 or 800-776-3449

USA Today Information Center
Online network/software for sports and games enthusiasts
Any Macintosh; modem.
$9.95 per month retail; unlimited access to news and sports, nights and weekends
$2.95 per hour retail; board and card games, chatting and E-mail, nights and weekends
USA Today Information Center; 9B Terrace Way; Greensboro, NC 27403; 910-855-3491, ext. 233 or 910-855-3708 (fax)

■ **The Wall Street Journal Reports Disk Companion On Online Services**
Exploration of online options for personal computer users
Macintosh II or larger; 5 MB of RAM; 2 MB of free hard disk space; 13-inch or larger color monitor; 8-bit color card recommended; System 7.0.1 or later.
The Wall Street Journal Reports Disk Companion on Online Services is an interactive version of the November 1993 Wall Street Journal Report on Technology. The Wall Street Journal Reports are single-topic news features that provide indepth coverage of such subjects as health and medicine, executive compensation, personal finance and world business. The Disk Companion on Online Services offers the full text of the Technology Report with printing and index enhancements in addition to an exclusive database of new information that lets users examine and compare the offerings of more than one dozen online providers. The providers include seven major services, five Internet links and four bulletin boards. In addition to a guide to finding the right service, users are provided with an overview of how to get started — what they'll need to set up, costs and where to get more information.
$13.95 retail
Dow Jones And Co., Inc.; 200 Liberty St.; New York, NY 10281; 212-416-2142 or 800-975-3475

Westlaw
Online legal research service
Any Macintosh.
Call for pricing
West Publishing; 620 Opperman Dr.; Eagan, MN 55123; 612-687-7000, 800-328-9352 or 612-687-7302 (fax)

Desktop Communications/ Telecommunications Software

1stBBS-II
Bulletin Board system with remote database access
Macintosh Plus or larger; 1 MB of RAM.

1stBBS-II provides a powerful data communications system, linking together Macintoshes and DOS machines that have modems or are connected to an AppleTalk network. Remote users would have the ability to access databases, transfer files and E-mail capability. 1stBBS-II would prove invaluable for companies with branches in many different cities. All remote users would have the ability to access databases, such as a customer address list, price list, inventory, etc., and to send private E-mail messages with files attached. Registered owners of 1stBBS-II are licensed to make an unlimited number of copies of the Mac or DOS version of the remote modules. The program is designed to minimize online time and expense by allowing users to perform many of their tasks while offline. The host module is password protected and maintains an activity log. 1stBBS-II is AppleTalk and System 6/7 compatible. Modem speeds up to 38,400 bps and V.32 and V.42bis are supported.
$129 retail
1stDESK Systems, Inc.; 55-57 Cape Rd.; Mendon, MA 01756; 800-522-2286 or 508-634-0882 (fax)

■ **4-Sight ISDN Manager**
ISDN/Switched 56 communications software
Macintosh with NuBus; System 6.0.5 or later; 2 MB of RAM.
4-Sight ISDN Manager ISDN/SW56 provides a simple method of performing point to point file transfers between distant locations at speeds of up to 128 KB/sec, utilizing the twin 64 KB/sec data channels offered by ISDN circuits — more than eight times faster than a 9600 baud modem. ISDN Manager is extremely flexible and can utilize the twin ISDN channels in a number of ways to allow voice and data calls to be made simultaneously. ISDN Manager also offers CommToolBox support for applications such as AppleTalk Remote Access or ZTerm, and a Serial Redirector for non-CTB compatible applications such as Timbuktu Remote — enabling these and other applications to run at incredible speeds over an ISDN or Switched 56K connection. ISDN Manager can fully utilize the new international ISDN network, providing the ability to create high-speed connections around the globe as easily as making a local call.
$2,995 retail; includes hardware
$1,495 retail; software only
CommFORCE, L.C.; 1801 Industrial Cir.; PO Box 65340; West Des Moines, IA 50265; 515-224-0211, 800-448-3299 (fax) or 011-44-202-764401 in U.K.

■ **4-Sight Small Site**
Network fax communications
Macintosh Plus or larger.
4-Sight Small Site is a 10-user version of 4-Sight Fax, without E-mail. Small Site offers a full range of features, including send and receive capabilities, faxing from within a document, custom cover pages, multiple enclosures, notification and accounting. It comes with a free 19.2 Kbaud data/14.4 Kbaud fax modem.
$995 retail
CommFORCE, L.C.; 1801 Industrial Cir.; PO Box 65340; West Des Moines, IA 50265; 515-224-0211, 800-448-3299 (fax) or 011-44-202-764401 in U.K.

AlphaPage MD2001 Mac
PC to pager messaging software
Macintosh Plus or larger; Hayes-compatible modem; System 6.0.5 or later.
AlphaPage software allows a PC, via a modem, to send messages to an alphanumeric paging receiver. AlphaPage offers users maximum flexibility whether they need to message family members, a sales force, medical emergency teams or a tech support group located around the world. Features include: is easy installation; easy message entry and dispatch page individual or group name or pager number); flexible

These Products Available Through Bottom Line Distribution
1-800-347-1923

communications setup; alphabetical directory search; unlimited preprogrammed messages; directory listings by name, group, system and pager number; last message recall; multiple system access; edit queue; directory utilities; message log; direct connect option; password protection; Supports Apple Script and Apple Events and more. AlphaPage is also available for network, serial and alarm interface, paging server and custom applications.
$139 retail
Information Radio Technology, Inc.; 635 E. 185th St.; Cleveland, OH 44119; 216-531-1313, 800-228-8998 or 216-531-8383

ASAP!
Allows users to send files by simply dragging documents to an icon
Macintosh Plus or larger; System 7.0 or later.

ASAP! makes users the easy first choice for their customers. By putting a copy of ASAP! on their customer's desktop, they can send users files by simply dragging documents to an icon. Users and their customers don't need to know the first thing about telecommunications technology. They just drag files to a user's icon, and ASAP! handles the rest. It automatically compresses the file (reducing transmission time by up to 80 percent), configures the modems and sends the files. On a user's end, there's a comprehensive job-logging application. Much simpler than a BBS or ARA, ASAP! can be used by even the most inexperienced customers. It automatically configures itself, completely protects a user's system from invading hackers and guarantees 100 percent accurate high-speed transmission.
$295 retail
Brainchild Corp.; 547 Pepper Ridge Rd.; Cincinnati, OH 45244; 513-831-8451 or 513-831-7804 (fax)

■ AT&T Mail Access Plus
Global electronic messaging
Macintosh Plus or larger; 1 MB of RAM (2 MB for System 7); System 6.0.5 or later; 1 MB of available hard disk space.

AT&T Mail Access Plus is a feature-rich application that provides a powerful environment for creating and managing messages using AT&T Mail's Global Messaging Network. Its features include an integrated directory supporting delivery preference, multipart messages (multiple attachments), single-part generic text and binary messages, scheduled background message sending and receiving, message transfer while within an application, estimated download times on receives, intuitive message function icons, in-product AT&T Mail messaging help, balloon help for System 7.0 and messaging through LAN-based Mac shared modems (Shiva).
$210 retail
AT&T EasyLink Services; 400 Interpace Pkwy.; Parsippany, NJ 07054; 800-242-6005

BusinessTalk 2000
Provides access to e-mail, databases, bulletin boards and information services
Macintosh Plus or larger.

BusinessTalk 2000 Macintosh, based on AppleLink Version 6.1, provides access to electronic mail, key word search textual databases, bulletin boards and gateways to external information services. It allows seamless interaction with GE Information Services and client host computers. MS-DOS and Microsoft Windows versions are also available.
Call for pricing
General Electric Information Services; 401 N. Washington St.; Rockville, MD 20850; 301-340-4000, 800-638-9636 or 301-340-4488 (fax)

Communicate Lite
Provides standard access to a wide variety of communications services
Macintosh Plus or larger; System 7.0 or later.

Communicate Lite makes use of the Macintosh Communications Toolbox, system software that provides Macintosh applications with standard access to communication capabilities in a modular fashion. Communicate Lite provides users with easy access to multiple communications sessions, utilizing the same or different methods of connection. Users can customize their communication environment by adding or removing tools as needed. The basic set of communications tools is included. With additional tools available, the functionality of the program can be greatly extended.
$49.95 retail; demo version available
Mark/Space Softworks; 111 W. Saint John, Ste. 230-A; San Jose, CA 95113; 408-293-7299, 800-799-4737 (sales) or 408-293-7290 (fax)

Communications Support Toolkit
Routines for accessing serial ports
Macintosh Plus or larger; True Basic Language 2.0 or later.

Communications Support Toolkit allows True Basic programs to send and receive data via an asynchronous communications port. The program can be used to communicate with remote databases such as Dow Jones or The Source.
$79.95 retail
True BASIC, Inc.; 12 Commerce Ave.; West Lebanon, NH 03784; 800-436-2111

CompuServe Information Manager
Information management
Macintosh Plus or larger; 1 MB of RAM; one 800K disk drive and hard disk drive; System 6.0.4 or later; Hayes-compatible modem.

The CompuServe Information Manager provides a powerful, yet easy-to-learn and use interface to the CompuServe Information Service. By incorporating pull-down menus, dialog boxes and several other features, the CompuServe Information Manager enables members to access, sort and utilize information more effectively.
$24.95 with $15 usage credit retail; for members of CompuServe Information Service
$49.95 with $25 usage credit retail; for non-members
CompuServe, Inc.; 5000 Arlington Centre Blvd.; Columbus, OH 43220; 800-848-8199

CompuServe Navigator
Automated access software
Macintosh 512KE or larger; double-sided 800K disk drive; hard disk drive; System 4.1 or later; Hayes-compatible modem.

CompuServe Navigator is designed to simplify access and use of the CompuServe Information Service, particularly when accessing special interest forums, Quotes and CompuServe Mail. It adapts CompuServe to the familiar Macintosh idiom usage with pull-down menus and dialog boxes. With CompuServe Navigator, a Macintosh user can write a complete session before going online, saving connect time charges. The product supports MultiFinder, allowing word processing or other programs to be used while the CompuServe Navigator program is running. CompuServe Navigator also supports direct transfer of graphics images created using CompuServe's Graphics Interchange Format (GIF).
$99.95 retail
CompuServe, Inc.; 5000 Arlington Centre Blvd.; Columbus, OH 43220; 800-848-8199

ConcordExpress
High-speed file transfer software
Macintosh Plus or larger; 1 MB of free RAM; hard disk drive; System 7.0 or later.

ConcordExpress is a high-speed file transfer application that utilizes a proprietary protocol to quickly transfer files and folders over satellite links, digital phone lines or LAN connections. ConcordExpress is designed to overcome the acknowledgement delays inherent in wide area networking, including those encountered with satellite connections.
ConcordExpress is composed of three software components. The Sender program is used at the transmit site and allows users to transfer files by simply placing them in destination folders in a "mailbox" folder. The reception of files is processed as a background task at the receive site. A special "Receiver" init resides on the receiving Macintosh and incoming files are stored in a mailbox folder. The Monitor program lets users view the status of files reception and files received.
$499 retail
Engage Communication, Inc.; 9053 Soquel Dr.; Aptos, CA 95003; 408-688-1021 or 408-688-1421 (fax)

DynaComm Macintosh Edition
Communications
Macintosh Plus or larger; hard disk drive; Finder 6.0 or later; MultiFinder 6.0 or later for background file transfers.

DynaComm Macintosh Edition is an advanced communications package that supports a wide range of binary transfer protocols and the most popular terminal emulations, allows users to store and recall communications parameters and allows the creation of 32 user-definable function keys. It has a built-in editor that features automatic text wrap at user-specified margins, full cut-and-paste capabilities, search and replace abilities and text merge, align center and reformat options. DynaComm's script language provides all the tools needed to create full-scale graphical communications applications. The script language includes commands that provide high-level programming capabilities such as conditional execution, tabular data manipulation, subroutine execution and event handling using WAIT and WHEN commands. Menu options have analogous script commands so that tasks usually performed interactively may be automated.
DynaComm features commands that create custom dialog boxes and pull-down menus to allow users to reconfigure the user interface and graphically organize the presentation of incoming data.
$295 retail
FutureSoft Engineering, Inc.; 12012 Wickchester Ln., Ste. 600; Houston, TX 77079; 713-496-9400 or 713-496-1090 (fax)

■ Easy Transfer
File transfer/server
Any Macintosh.

Easy Transfer is powerful file transfer software that can be used with modems and ISDN or as a server to manage several different connections and carry out simultaneous transfers. Easy Transfer lets users send or retrieve files or folders; it can act as a server; enables communications with a connected site by sending messages to each other; manage a directory of outgoing and incoming calls; and do batch transfers. Easy Transfer uses APC compression, obtaining speeds up to 250 Kbits/sec, and contains many security features.
$529 retail
XBR Communications Inc.; 5253 Décarie Blvd., Ste. 550; Montreal, Quebec, Canada H3W 3C3; 514-489-1001 or 514-489-4966 (fax)

EGTalk
Japanese communications software
Macintosh with 4 MB of RAM; KanjiTalk 6.0.4 or later; System 7.1 and Japanese Language Kit.

EGTalk is a Japanese communications software package. EGTalk allows users to access world-wide BBS databases at data transmission speeds ranging from 300 bps to 57,000 bps. Features include: flow control, display of time periods of communications, XON, XOFF, CCITT & Bell standards. EGTalk is easy to control with auto-communications functions, real-time data transfer, Xmodem protocol and MacBinary protocol. EGTalk also allows for printing while in the process of communicating. EGTalk supports Chinese character codes, JIS, NEC Kanji, DEC Kanji and EVC Kanji.
$230 retail
CCIC; 605 Addison St., Ste. A; Berkeley, CA 94710; 510-548-2242 or 510-843-5173 (fax)

Face To Face
Document conferencing software
Macintosh with 5 MB of RAM; hard disk drive; System 7.0 or later.

Face to Face is document conferencing software that allows people anywhere to use their telephones and desktop computers to review and annotate documents together, in real time. With Face to Face, two users of any mix of Macintosh and Microsoft Windows-based computers can simultaneously view documents, guide one another with electronic pointers and make instantaneous annotations using a simple set of drawing tools — all while they talk on the telephone. Users can accomplish all of this without regard for the types of computers involved (Macintosh or Windows), the particular applications used to create the documents (Word, WordPerfect, PageMaker, etc.) or the type of network available — whether it be ordinary, low-speed modems, a LAN or a high-speed service like ISDN.

$295 retail
$2,360 retail; 10 users
$9,590 retail; 50 users
$14,750 retail; 100 users
Crosswise Corp.; 105 Locust St., Ste. 301; Santa Cruz, CA 95060; 800-747-9060 or 408-426-3859 (fax)

FAXnetwork Fax Software
Network fax solution
Macintosh with 68000 processor or larger; hard disk drive; 2 MB of RAM; System 6.0.3 or later; any Class 2 fax modem.

PSI FAXnetwork is an exciting fax solution designed for Ethernet and LocalTalk Macintosh networks. With this powerful software, each workstation can transmit faxes using a single, centralized modem. It's a great way for users to stretch their hardware dollar and enhance their work group's productivity. Because PSI FAXnetwork works completely in the background, no dedicated server is required. FAXnetwork is easy to use; setup is quick. This ultrafast network fax software can send a three to five-page document from a client workstation to the server in approximately 10 seconds. Server dial-out time is approximately one minute. The FAXnetwork Server software can be installed on a user workstation or an AppleShare Server. FAXnetwork can receive faxes as easily as it sends them, route them automatically to the network printer or send them to individual workstations.
$99 direct; Server Pack
$199 direct; five User Pack
$299 direct; 10 User Pack
$499 direct; 25 User Pack
Bundle prices are available
PSI Direct, a div. of Supra Corp.; 501 SE Columbia Shores Blvd., Ste 700; Vancouver, WA 98661; 800-622-1722 or 206-905-1448 (fax)

FaxPro II And FaxPro II 14.4
Networkable fax system
Macintosh Plus or larger; 2 MB of RAM; System 6.0.3 or later.

FaxPro II multiuser fax system for the Macintosh lets networked users send and receive faxes directly from their desktop. Users on a network can share one or more fax modems to fax virtually anything they can print. Users can pre-convert and attach fax-ready files to include with their fax. Remote conversion of fax files frees up users' workstations. All users have real-time access to information about their fax transmission. Other features include: compatibility with more than 30 modems; the ability to combine the fax and file server; auto mount and dismount of file server; InstaFax quick fax feature; auto redial and Smart Resend to ensure complete transmission; optional printing of incoming faxes for plain paper fax equivalent; and customizable automatic cover sheet.
$999 retail; FaxPro II 14.4 (includes 14.4 Kbps send/receive fax modem)
$850 retail; FaxPro II (includes 9600 bps modem)
$550 retail; software-only version of FaxPro II (for more than 30 modems)
Cypress Research Corp.; 240 E. Caribbean Dr.; Sunnyvale, CA 94089; 408-752-2700 or 408-752-2735 (fax)

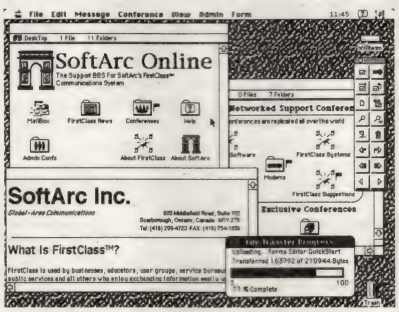
FaxSTF 3.0
Full-featured fax software
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; System 7.0 or later; compatible fax/data modem.

FaxSTF is full-featured fax software that allows users to create, address and send faxes directly from applications. New features include: gray-scale printing support; combining (enveloping) faxes; new user interfaces with separate windows for incoming, outgoing, held and saved faxes; FaxSettings application — easy access to modem and software settings; ARA and AppleScript support; improved log file; integrated import/export capabilities; and more. FaxSTF offers advanced features to enhance a user's fax capabilities, including: multiple, editable phone books (users can add new listings "on the fly," import, export and print their phonebooks); multiple retries (only unsent pages are resent); scheduling faxes for later transmission (when rates are lower); viewing received faxes on-screen (to save printing time); custom cover pages (users can create cover pages with their company logos, etc.); and custom paper sizes (for sending large spreadsheet or graphic files).
$59 retail
STF Technologies, Inc.; PO Box 81; Concordia, MO 64020; 816-463-2021 or 816-463-7958 (fax)
FAX✆NDEMAND 1-800-872-3293 **160**

File Transfer Tool Bundle
Three file transfer protocol tools for communications applications and E-mail software
Macintosh Plus or larger; System 6.0.7 or later.

File Transfer Tool Bundle is a collection of three file transfer protocol tools for communications applications and E-mail software that supports the Macintosh Communications Toolbox. The file transfer protocols supported by File Transfer Tool Bundle are Kermit, Xmodem, Ymodem and Zmodem. Popular Macintosh applications that can use Macintosh Communications Toolbox file transfer tools are: CE Software QuickMail 2.5; Seaquest Message Mover; Microsoft Works 3.0 (includes Seaquest's Kermit File Transfer Tool); ClarisWorks; WordPerfect Works; Apple MacTerminal 3.0; and PacerTerm.
$69.95 retail
Seaquest Software; 4200 NW Columbia Ave.; Portland, OR 97229; 503-531-0252 or 503-629-8442 (fax)

FirstClass
Cross-platform electronic mail, conferencing and remote access software
Macintosh Plus or larger; modem and network optional.



FirstClass is used by businesses, educators, user groups, service bureaus, public services and all others who enjoy exchanging information easily using the Macintosh and Windows interfaces. FirstClass saves users money by combining electronic mail, file sharing and electronic discussions seamlessly over networks and telephone lines and provides an outstanding, configurable graphical interface for doing so. FirstClass combines the features of a complete office electronic E-mail package and network conferencing system for electronic discussions. Its integrated remote dial-in functionality makes it ideal as an electronic bulletin board system for public access or customer support. A FirstClass client for Windows lets IBM and compatible users log in via network or modem without the need for complicated file servers or routers required by other multiplatform communications packages. SoftArc's FirstClass server software can run on any non-dedicated Macintosh and accommodate as many as 100 simultaneous network connections and 22 concurrent modem users.
$490 and up retail
SoftArc Inc.; 100 Allstate Pkwy.; Markham, Ontario, Canada L3R 6H3; 905-415-4000 or 905-415-7151 (fax)

GlobalFax Duo
Fax software
Macintosh PowerBook Duo; 4 MB of RAM; 2 MB of available disk space for receiving and storing faxes; System 7.1 or later.

GlobalFax Duo is a new version of GlobalFax software for customers using Macintosh PowerBook Duo systems. GlobalFax is for users looking to standardize on one fax software package for fax/modems across the entire Macintosh product line. Efficient, intuitive and feature-rich, GlobalFax Duo allows users to import and export address information from other contact databases, group multiple documents from different applications and fax them together and fax from different area codes without editing their address book. GlobalFax Duo also allows users to send faxes to individual addresses and groups of addresses without personally filling out each cover page. Users can continue working in any software application as GlobalFax Duo sends and receives faxes in the background. Users can monitor the progress of fax transmissions on the convenient menu bar status display.
$129 retail
Global Village Communication, Inc.; 685 E. Middlefield Rd., Bldg. B; Mountain View, CA 94043; 415-390-8200, 800-736-4821 or 415-390-8282 (fax)

■ **InterPPP**
Provides remote access for System 7 users to network
Macintosh SE or larger; 4 MB of RAM; System 7.0 or later; Mac TCP; Hayes-compatible modem.

InterPPP is a standards-based solution that implements Point-to-Point Protocol according to published Request for Comments (RFCs). Developed by the IETF in cooperation with network vendors, Point-to-Point Protocol is a documented standard for connecting workstations to networks that is being deployed by many router and terminal server vendors as the standard solution for dial-in network access. InterPPP is at the forefront of remote access for System 7 users. With InterPPP, remote or mobile users can gain network access by dialing into a terminal server, router or network front end that supports PPP. InterPPP fully supports TCP/IP and AppleTalk for simultaneous and transparent access to all available TCP/IP and AppleTalk services on the network.
$99 retail
InterCon Systems Corp.; 950 Herndon Pkwy., Ste. 420; Herndon, VA 22070; 703-709-5500, 800-468-7266 or 703-709-5555 (fax)

■ **InTouch Quikdial**
Adds telephone menu to menu bar
Macintosh Plus or larger; 2 MB of RAM; System 7.0 or later.

Quikdial adds telephony to a Macintosh by adding a telephone menu to the menu bar that is available no matter what application is running. Making a call couldn't be easier. Users choose dial from the Quikdial menu and enter the number; Quikdial handles all the simple functions, such as dialing, answering and hanging up, as well as the more complex features, such as rescheduling calls, call transfer, call conferencing, call waiting, do not disturb and call diversion. Quikdial allows users to build up to 96 directories, with a maximum of 1,000 names in each directory. Quikdial also logs the time, date and caller of each outgoing call.
$90 U.S. retail
InTouch Telecom; PO Box 283; Horsham, West Sussex, UK RH13 6AR; +44-403-274686, +44-403-270186 or +44-403-274687 (fax)

■ **LineShare**
Route/direct incoming and outgoing calls
Macintosh Plus or larger; System 6.0 or later; Hayes-compatible modem; telephone line.

LineShare can arbitrate and route incoming calls to the correct application, and direct outgoing calls to the user's modem. Users can concurrently have ARA, BBS, voice, E-mail, data, pager and fax all open for incoming or outgoing calls using one modem port and one phone line. LineShare is System 7 compatible.
$79 retail
Stalker Software, Inc.; 15 Skylark Dr., #21; Larkspur, CA 94939; 415-927-1026 (phone/fax) or 800-262-4722

■ **The Link**
Enables interconnection of remote AppleTalk networks
Macintosh Plus or larger; System 6.0 or later.

The Link enables the interconnection of remote AppleTalk networks transparently via ISDN, X.25 network, the switched telephone network or any other communication support. Network resources can be used remotely. Users can print on a LaserWriter in one location, consult a database in another or access an AppleShare server in another. The Link offers simplified connection with management of aliases on System 7; virtual connection on permanent link; up to eight to 31 simultaneous connections on the same Macintosh; built-in APC compression, optimizing communication throughput; access restrictions for all authorized sites; network traffic and routing statistics; and more.

These Products Available Through Bottom Line Distribution
1-800-347-1923

$689 retail
XBR Communications Inc.; 5253 Décarie Blvd., Ste. 550; Montreal, Quebec, Canada H3W 3C3; 514-489-1001 or 514-489-4966 (fax)

■ Mac Internet Membership Kit
Internet interface membership kit
Macintosh II or larger; 4 MB of RAM; System 7 or later; 9600-baud modem or faster.
The Internet Membership Kit contains everything users need to put a sleek, graphical interface on the information superhighway and start cruising, including: MacTCP connection protocol software from Apple; Eudora for exchanging E-mail with millions of people and businesses connected to the Internet; TurboGopher, Fetch and StuffIt Expander for finding, retrieving and decompressing Internet files; and InterSLIP, a connection utility.
$69.95 retail
Ventana Press; PO Box 2468; Chapel Hill, NC 27515; 919-942-0220, 800-743-5369 (orders only) or 919-942-1140 (fax)

MacIntercomm Lite
Telecommunications with completely invisible file transfers
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
MacIntercomm is a telecommunications program with true multitasking that offers completely invisible file transfers. Users can compress files, format a floppy or even play a game during file transfer and MacIntercomm will not lose speed or data. Its full suite of transfer protocols include Xmodem, Ymodem, Ymodem-G and Zmodem. This is complimented by a wide array of terminal emulations, like TTY, VT52, VT102 and full 16 color PC-ANSI graphics with blink, inverse, double-width and double-height modes. For added convenience, there is an AutoDial feature for a user's most frequently called services. A SmartDial feature automatically adjusts the phone numbers of a user's services based on their area code, an indispensable feature for travelling users.
$29.95 retail
New World Computing, Inc.; PO Box 4302; Hollywood, CA 90078; 818-889-5600, ext. 225, 800-325-8898 or 818-889-5682 (fax)

Mark/Space Zmodem Tool
File transfer tool
Macintosh Plus or larger; System 6.0.4 or later.
The Mark/Space Zmodem Tool is a file transfer tool that implements the Zmodem protocol. Zmodem offers high-speed file transfer, error detection and recovery, and the ability to resume an interrupted transfer. Using the Zmodem tool and a suitable application, users are able to exchange files with their favorite BBS, another Mac running a communications application and many commercial online services.
$29.95 retail; demo version available
Mark/Space Softworks; 111 W. Saint John, Ste. 230-A; San Jose, CA 95113; 408-293-7299, 800-799-4737 (sales) or 408-293-7290 (fax)

■ MDFT (Macintosh Direct File Transfer)
File transfer kit
Any Macintosh; Mac/SD; System 7.0 or later.
MDFT is a high-speed, synchronous direct file transfer kit. MDFT allows for bulk distribution, medical image transfer, prepress downloading, database updates, remote backup and restore, moving of large documents and/or graphic files. Features include high link-rate utilization, automated V.25bis dialing support, wild cards with full pathing options, full or selective file transfers and uses commercially available switched digital services (AT&T, Sprint, MCI, USWest, PacBell, Ameritech, etc.).
$1,600 retail
Niwot Networks, Inc.; 2200 Central Ave., Ste. B; Boulder, CO 80301; 303-444-7765 (phone/fax)

Message Mover
A sound and simple solution for moving messages around the world
Macintosh Classic or larger; System 6.0.7 or later.
Message Mover is a full-featured communications application that provides an elegant and economical way for users to use their Macintosh for communicating how they want and with whom they want. Features include: simple to learn, yet flexible enough for advanced users; floating toolbar with buttons for most important commands; intuitive address book for frequently called remote systems; comprehensive Balloon Help (for System 7 users) and built-in text-based help system that works with any Apple operating system; support for the Macintosh Communications Toolbox 1.1, including ISDN and AppleTalk networks; System 7 friendly, including support for required AppleEvents, Balloon Help, TrueType and 32-bit addressing; terminal emulation for TTY and VT102; includes Seaquest File Transfer Tool Bundle supporting Xmodem, Ymodem, Zmodem and Kermit protocols; multiple-file send and receive capabilities; built-in memo/text editor; modest system requirements; and is affordable, compatible and extensible.
$89.95 retail
Seaquest Software; 4200 NW Columbia Ave.; Portland, OR 97229; 503-531-0252 or 503-629-8442 (fax)

MicroPhone
Telecommunications
Macintosh Plus or larger; hard disk drive with 1.5 MB of free space (2.5 MB of fax software; System 6.0.5 or later.
MicroPhone Pro version 2.0 comes with a comprehensive set of tools for quick and easy TCP/IP access. Targeted to users of TCP/IP-based networks, such as the worldwide Internet. MicroPhone Pro makes interaction with such systems as intuitive as possible. MicroPhone Pro and MicroPhone II version 5.0 both feature new multisession communications capability, an improved scripting language and editor, new terminal emulation and new transfer protocols. Users rely on the Macintosh interface to connect to networks, download data, conduct online research or post E-mail. MicroPhone LT version 2.0 is a value-priced, complete communications package that enables users to easily communicate with other personal computers, minicomputers, mainframes and remote electronic information services. It is aimed primarily at Macintosh communicators who are frustrated by communications shareware.
$295 retail; MicroPhone Pro
$195 retail; MicroPhone II
$49.95 retail; MicroPhone LT
Software Ventures Corp.; 2907 Claremont Ave.; Berkeley, CA 94705; 510-644-3232 or 510-848-0885 (fax)

■ NeuroPage
Messaging system for memory impaired
Macintosh Plus or larger; 4 MB of RAM; System 6.0.5 or later; Hayes or compatible modem.
NeuroPage is a novel computer-based messaging system that improves the lives of persons with debilitating impairments of memory. NeuroPage is alphanumeric messaging and cutting edge software and is the first system of its kind designed to help the more than half million Americans and millions more worldwide overcome this disability. Messages can be keyed into the system and designed to be sent at any time and date in the future to single or multiple subscribers. Confirmation that a task has been completed may be requested. If no confirmation is received by the system, NeuroPage sends out a predefined number of secondary reminder(s) before automatically sending an alert message to a third party.
$10,000 retail; complete system
$1,500 retail; software only
Hersh & Treadgold, Inc.; 6657 Camelia Dr.; San Jose, CA 95120; 408-997-7017 or 408-268-4146 (fax)

NovaLink Professional 3.1
Information server
Macintosh II or larger; 4 MB of RAM.
NovaLink Professional (NLP) is a high-end communications solution called an information server. Information servers offer BBS type services with which users can access electronic mail, message forums, file libraries and real-time conferences. NovaLink clients can log on through local, modem, AppleTalk, Communications Toolbox, X.25 and TCP/IP connections which provide full Internet (SMTP,NNTP and Telnet) and FidoNet access. NLP supports on-line graphics protocols for Macintosh, Windows, DOS users. Coupled with AppleSearch, NovaLink will allow users to remotely search the contents of file servers, while online. NPL is expandable, flexible and configurable enough to meet the needs of the largest and smallest information providers.
$100 retail; NovaLink Professional 3.1 Base Configuration
$600 retail; NovaLink AppleTalk Option
$150 retail; NovaLink AppleTalk Access
$1,750 retail; NovaLink X.25 Option
$1,200 retail; TCP/IP Professional Package
$500 retail; Internet Kit
$500 retail; QuickMail Gateway
$1500 retail; AppleSearch Gateway
$60 to $499 retail; Modem NovaTerm Users (50 to unlimited users)
$500 and up retail; Network NovaTerm Users (25 to unlimited users)
$100 each retail; additional Modem Nodes
$100 each retail; additional Network Nodes
ResNova Software, Inc.; 5011 Argosy Dr., Ste. 13; Huntington Beach, CA 92649; 714-379-9000, 714-379-9004 (Info Server) or 714-379-9014 (fax)

Okyto 1.02
Macintosh to Macintosh file transfer program
Macintosh Plus or larger.
Okyto is a Macintosh to Macintosh file transfer program that is simple enough for a beginner to master in less than an hour, but has enough power for experienced users. It can be used attended by people on both sides, attended on one side and unattended on the other (with Mac friendly dialog box listings of files and folders on the remote machine's disks), or the simple Procedure language can be used to create fully automated sessions unattended on both sides. It can send and receive files simultaneously while allowing users to "chat" back and forth. It also offers complete security control, and a full audit trail of all transactions in a session. Okyto works in the background under MultiFinder.
$39.95 retail
The FreeSoft Co.; 105 McKinley Rd.; Beaver Falls, PA 15010; 412-846-2700 or 412-847-4436 (fax)

Open Mike
Resource on disk
Macintosh Plus or larger; MicroPhone II 4.0 or later.
Open Mike, a resource on disk, provides tutorials, example scripts, discussions on specific scripting issues and other resources for users of MicroPhone communications software. Each of the 12 issues includes a feature article and several columns, including Hacker's Hangout, a fun and irreverent look at cool scripting; Snippet Show, a collection of small but useful scripts; Question & Answer, questions from readers and answers from the Open Mike editors; and Tips & Tricks, a collection of useful and informative tidbits.
$10 per issue retail
Celestin Co.; 1152 Hastings Ave.; Port Townsend, WA 98368; 206-385-3767, 800-835-5514 or 206-385-3586 (fax)

PacerTerm
Terminal emulation communications software
Macintosh Plus or larger; 1 MB of RAM (2 MB recommended); hard disk drive recommended; System 6.0.4 or later.
PacerTerm is a communications software product that builds on Apple standards and industry standards to provide terminal emulation and file transfer capabilities in a number of networking environments. Features include: support for simultaneous terminal emulation (vt420, vt320, vt102, PC-ANSI, TTY) sessions to one or more hosts, each in its own window; single or multiple file transfer using Xmodem, FTP, Kermit or Zmodem file transfer protocols; network independence (asynchronous, Ethernet or LocalTalk connections); protocol independence (TCP/IP, Serial, LAT and others); remote access via SLIP, PPP or direct modem connections; full support for the Macintosh Communications Toolbox; HyperTalk-compatible scripting language for automating repetitive commands and building Macintosh front ends for host applications; modular design allows use of any CTB-compatible tool; and offers an advanced interface, including colorful, programmable on-screen SoftKeys, drag and drop support and a full remappable and programmable keyboard.
$249 retail

Pacer Software, Inc.; 1900 West Park Dr., Ste. 280; Westborough, MA 01581; 508-898-3300, 800-722-3702 or 508-366-1356 (fax)

PhonePro
Telephone applications builder
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; System 7.0 or later.

The PhonePro telephony applications builder for the Macintosh is designed to let users create and run almost any type of telephone application on the Macintosh. Using PhonePro's intuitive icon-based programming language, users can configure and arrange icons to create a broad range of inbound and outbound telephony applications. Users can build simple answering machines, automatic call distributors, order trackers, electronic bulletin boards, automatic pagers, fax on demand systems (requires FaxPro II) and complex auto-attendant systems with E-mail integration. PhonePro stores sound, text and data in a multiformat database, making import/export with other databases easy. The system integrates voice messaging with Microsoft Mail, QuickMail and Apple's OCE PowerTalk and PowerShare to bring voice mail to the desktop, and it comes with a variety of customizable plug-and-play scripts. PhonePro is System 7, Apple Events, AppleScripts, Communications ToolBox and Telephone Manager compatible and works with Apple's OCE.
$749 retail; PhonePro (complete hardware/software system)
$349 retail; PhonePro software (compatible with SupraFax Modem V.32 and V.32bis voice/fax/data modem)
Cypress Research Corp.; 240 E. Caribbean Dr.; Sunnyvale, CA 94089; 408-752-2700 or 408-752-2735 (fax)

■ **PortConnector**
Enables communications programs to make connections using X.25, TCP/IP, ISDN or ADSP protocols
Macintosh II or larger; System 7.0 or later.

PortConnector enables Macintosh communications programs to make connections using X.25, TCP/IP, ISDN or ADSP protocols, or with any network supported by a Connection Tool. PortConnector creates "virtual ports" for each Tool to support any application that provides a list of registered serial ports or even pre-CTB applications. For each port created, PortConnector can establish a direct serial link or emulate a Hayes-compatible modem.
$49 retail
Stalker Software, Inc.; 15 Skylark Dr., #21; Larkspur, CA 94939; 415-927-1026 (phone/fax) or 800-262-4722

QM-MailBeep
Software for Macintosh computers with QuickMail and alphanumeric pagers
Macintosh networks running CE Software's QuickMail; Hayes-compatible modem.

QM-MailBeep is a messaging gateway for CE Software's QuickMail. QM-MailBeep allows users of the mail system to send alphanumeric messages to persons carrying message receiving devices, such as the Motorola Advisor, HP95LX/HP100LX palmtop computers and others. QM-MailBeep will work with any standard QuickMail forms and supports multiple gateways for compatibility with many different paging services.
$795 suggested retail
Desktop Paging Software, Inc.; 12 Scamridge Curve; Williamsville, NY 14221; 716-634-9010 or 716-634-9003 (fax)

Relevant
Graphical client/server application; Macintosh interface for DowVision
Server requires Sun SPARCstation 1+ or larger; 16 MB of RAM; 150 to 600 MB hard disk drive; SunLink X.25 7.0; SunOS 4.1.x. Client requires Macintosh with 68020 processor or larger; 4 BM of RAM; MacTCP; System 7.0 or later.

Relevant is a graphical client/server application that is integrated with Dow Jones' DowVision, a comprehensive business news and information service that includes The Wall Street Journal and five exclusive Dow Jones newswires. Arriving DowVision news is continually scanned by the Ensemble server software according to each subscriber's individual interest profile. At specified times, a Personal Digital Newspaper document is prepared and sent to the subscriber's Macintosh via electronic mail. The Relevant Personal Digital Newspaper System saves users time in two important ways. First, it can collect in a single location electronically published news from a wide variety of sources. Second, it presents the information from all these sources categorized by the users' interest. This dramatically reduces the amount of time people spend searching for the information that is important to them — such as information on clients, competitors, suppliers, legislative changes and more.
$50 per month/per user retail; introductory price
Ensemble Information Systems, Inc.; 1040 Noel Dr.; Menlo Park, CA 94025; 415-617-9600 or 415-617-9614 (fax)

Second Sight 3.0
Bulletin board construction and maintenance environment
Macintosh Plus or larger; Hayes-compatible modem.

Second Sight is an integrated, multiline, color ANSI bulletin board construction and maintenance environment for the Apple Macintosh. It fully supports all Hayes-compatible high-speed modems, NuBus serial cards, CD-ROM drives, public and private electronic mail, chatting, full client security and tracking, unlimited files and sections. Transfer protocols include Xmodem, XModem 1K, Zmodem, ZBatch and ASCII text. It also includes AppleEvents support, a powerful survey language and external applications. It allows sysops to easily create and maintain a BBS that thousands of users can connect to, using standard terminal emulation software. It supports TTY, VT100, IBM-PC ANSI terminals.
$199 U.S. retail
The FreeSoft Co.; 105 McKinley Rd.; Beaver Falls, PA 15010; 412-846-2700 or 412-847-4436 (fax)

SITcomm
Telecommunications software
Macintosh Plus or larger; 2 MB of RAM; System 7.0 or later; modem.

SITcomm makes telecommunications easier and less expensive. With its intuitive interface, SITcomm lets users communicate with almost any other computer. Once online, vast worlds open up for users to explore. With SITcomm, users can easily connect to local bulletin board services (BBS), read electronic mail, access huge libraries of files and get the latest information on stocks, airline ticketing and today's news. SITcomm comes with automated logons, a handy address book, built-in file compression and expansion and file translators for accessing files from PCs and Unix computers. Best of all, SITcomm has unique time-saving features to save users online and telephone charges.
$120 retail
Aladdin Systems, Inc.; 165 Westridge Dr.; Watsonville, CA 95076; 408-761-6200 or 408-761-6206 (fax)

SLIPper
Enables connections to several Internet utilities at once
Macintosh Plus or larger; 1 MB of RAM; System 7.0 or later.

SLIPper enables connections from a Macintosh to several Internet utilities at once. SLIPper facilitates many simultaneous Internet Protocol connections running over a single serial connection. With SLIPper, a Macintosh can run Telenet, FTP, News, Mail and other MacTCP applications via SLIP, Serial Line Internet Protocol. SLIPper is a Link Access Protocol (LAP) module designed as an extension to MacTCP. This extension allows MacTCP to use one of the Mac's serial ports to connect to a network using SLIP instead of running over an Ethernet or LocalTalk connection. This means users can access the full capabilities of an IP network from any location over the telephone using modems. Dedicated hardwired connections are also supported. SLIPper features: SLIP as per RFC-1055; TCP Header Compression as per RFC-114; selectable serial port with baud rates from 300 to 38,400; automated connections by using the connection script facility, which includes a debugging log; and work with numerous MacTCP applications. Included with SLIPper is NetStat, an application that allows users to monitor the status of all TCP connections currently open on the Macintosh. By selecting one of the connections with the mouse, users can view all the internal statistics that MacTCP keeps for that connection. Also, each connection's source and destination IP addresses and TCP ports are displayed along with the connection state.
$98 retail
Sysnet Corp.; 5301 Wisconsin Ave. NW, Ste. 640; Washington, DC 20015; 202-686-5515, 800-683-5515 or 202-686-6992 (fax)

Smartcom II For The Macintosh V3.4
Communications software; file transfer; automated communications sessions
Any Macintosh.

Smartcom II for the Macintosh features full language capability for French, German and English and supports Minitel terminal emulation for use with videotex color graphics services. The program also features error-free file transfers through Ymodem, Ymodem-G and Kermit; VT100/102, VT52, TTY emulation, ANSI.SYS and Prestel terminal emulation; and auto-pilots that can transfer graphics and text, taking turns "drawing" on the same image through the program's built-in interactive graphics feature. Smartcom II for the Macintosh provides support for System 7, Macintosh Communications Toolbox, Balloon Help and color.
$149 estimated retail
Hayes Microcomputer Products, Inc.; PO Box 105203; Atlanta, GA 30348; 404-441-1617 or 404-449-0087 (fax)

SS->TF And FC Filer
Second Sight to TeleFinder and First Class conversion
Macintosh Plus or larger; System 6.0.5 or later.

SS->TF and FC Filer is a software utility that converts Second Sight BBS file descriptions to TeleFinder and First Class "Get Info" format. It produces a resource that is pasted into each download file listed in the Second Sight directory. This resource then allows First Class V2.0 or TeleFinder BBS users to view the description of the files online. Based on the description, users can download or pass over the file.
$35 retail
AMUG; 4131 N. 24th St., #A-120; Phoenix, AZ 85016; 602-553-8966 or 602-553-8771 (fax)

■ **STF AutoPak**
Productivity-enhancing modules
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; System 7.0 or later; compatible fax/data modem.

STF AutoPak is a set of productivity-enhancing modules that allow users to automate how and when their fax documents are processed. STF AutoOCR automates conversion of received faxes to editable text form while maintaining the size and style of recognized text. STF AutoPrint provides automated printing of received faxes to any accessible Macintosh printer. Users can even print faxes to one printer while retaining the chooser-selected printer for other printing tasks. Background Imaging frees users to work on other tasks while their fax documents and messages are converted to fax format in the background. STF Developer Kit provides the necessary tools for programmers to fax-enable database and other custom applications.
$89 retail
STF Technologies, Inc.; PO Box 81; Concordia, MO 64020; 816-463-2021 or 816-463-7958 (fax)

TCP/Toolz & Toyz
Provides users of Communications Toolbox-compatible applications with access to TCP/IP network services
Macintosh Plus or larger.

The TCP/Toolz package provides users of Communications Toolbox-compatible applications with access to TCP/IP network services. TCP/Toolz lets users of communications programs log into everything from Unix workstations to supercomputers using an existing LocalTalk or EtherTalk network. By using TCP/Toolz, users can eliminate the expense of dedicated serial connections to a mainframe or minicomputer and take advantage of high-speed networking and global interconnectivity through TCP/IP networks.
$149 retail
InterCon Systems Corp.; 950 Herndon Pkwy., Ste. 420; Herndon, VA 22070; 703-709-5500, 800-468-7266 or 703-709-5555 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

■ **TEC Telephony**
Allows integration of the Northern Telecom Telephone System with 4th Dimension
Macintosh Plus or larger; System 7.0 or later; 4th Dimension 2.2.3 or later; Northern Telecom Meridian Phone System, Visit Voice driver; hard disk drive recommended.

TEC Telephony allows users to integrate the Northern Telecom Telephone System with 4th Dimension databases. TEC Telephony gives users complete control over their telephone system directly from 4th Dimension. Users can control and monitor all telephone interaction with TEC Telephony. It provides users with a seamless interface between the telephone and the data from 4th Dimension. TEC Telephony can be used to build specialized voice mail systems based on 4th Dimension. Users provide the interface that best fits their needs. TEC Telephony can be easily added to any existing 4th Dimension database.
$100 per user retail
TEC Solutions; 19672 Stevens Creek Blvd., #169; Cupertino, CA 95014; 408-973-8855 or 408-973-8979 (fax)

TeleFinder Group Edition
Easy file transfers, conferencing and E-mail
Macintosh II or larger; System 7.0 or later.

Telefinder is the original GUI-based bulletin board system for 680X0 Macintoshes; and runs in native mode on Power Macintosh. TeleFinder features real drag-and-drop icons for easy file transfers, conferencing and E-mail. TeleFinder supports all Hayes-compatible modems, including V.Fast, Internet access, PICT and JPEG previews, multinode chat, user-definable text and up to 32,000 users over multiple CPUs for expandabiltiy. Client software is freely licensable to support access by Macintosh and Windows clients, plus 16-color ANSI and VT-100 terminal emulation.
$425 retail
Spider Island Software; 4790 Irvine Blvd., Ste. 105-347; Irvine, CA 92720; 714-669-9260 or 714-669-1383 (fax)

U-Page
Software for Macintosh computers and alphanumeric pagers
Macintosh 512K or larger; System 6.0.5 or later; Hayes-compatible modem.

U-Page enables users to send messages from their personal computers to any wireless communications device. U-Page is a simple, user-friendly alpha messaging application that allows users to enter a pager number and message. U-Page connects to messaging systems across the country through any serial communications device.
$49.95 suggested retail
Desktop Paging Software, Inc.; 12 Scamridge Curve; Williamsville, NY 14221; 716-634-9010 or 716-634-9003 (fax)

U-Page Pro
Software for Macintosh computers and alphanumeric pagers
Macintosh 512K or larger; System 6.0.5 or later; Hayes-compatible modem.

U-Page Pro allows users the ability to create a subscriber directory, custom group subscribers, add canned messages, support multiple services, maintain a log and much more. U-Page Pro has a sophisticated, yet simple user interface that gives users powerful access to state-of-the-art messaging technology.
$129.95 suggested retail
Desktop Paging Software, Inc.; 12 Scamridge Curve; Williamsville, NY 14221; 716-634-9010 or 716-634-9003 (fax)

■ **VacationMail**
Unix-based E-mail system
Any Macintosh.

VacationMail is a utility for Unix-based E-mail systems that automatically replies to all incoming E-mail messages while users are inaccessible. Users setup their mail account information and then create the vacation message they wish to have sent out. VacationMail is "Eudora-aware." Users of the popular public domain and commercial mail program will be able to configure VacationMail with two simple clicks — skipping the account setup step. The auto response system in VacationMail will only send one message per week to any one E-mail address and will not respond to messages from mailing lists or list servers. A full Unix-based mail account is necessary for VacationMail to run properly. VacationMail will keep users informed of periods of unavailability with the custom configurable subject and E-mail body.
$39 retail; educational discounts and bulk pricing available
MR Mac Software; PO Box 2547; Del Mar, CA 92014; 619-453-2845

VersaTerm 5.0
Terminal emulations, file transfers, networking services
Macintosh Plus or larger; LocalTalk, Ethernet, modem, SLIP or direct connect.

VersaTerm is a broad-based communications application combining high-quality, industry standard terminal emulations and the VersaTilities suite of network connections. The terminal emulations include: DEC VT100/VT220, Data Generals D210/D211 both with multiple sessions, plus Tektronix 4014 graphics emulations. The VersaTilities TCP/IP client suite focuses on exchanging data over Internet using a smoothly integrated graphical interface for accessing mail, news, directory, Telenet and file transfers. The VersaTerm SLIP extension transports TCP/IP data over a modem. Read mail, compose replies and create new mail messages all with or without a network connection. When users utilize dial-up via SLIP, a one-step command can automatically establish the connection, send mail, check for new mail and disconnect. Users can subscribe to their favorite news groups, quickly connect and read items of interest. A unique feature allows users to download selected news items to be read from their local Macintosh disk with no active network connection. Transfer files from anywhere in the world. The tools and INITs provided by VersaTerm include: MacTCP (TCP/IP), VersaTerm SLIP client, Time (client and server), VersaTerm-Server (with up to 24 output ports), and Telnet (with up to eight simultaneous sessions). File transfer protocols include Xmodem, Ymodem, Zmodem, Kermit and FTP (client and server). LAT, ADSP, modem and serial tools are also included.
$195 retail
Synergy Software; 2457 Perkiomen Ave.; Reading, PA 19606; 610-779-0522 or 610-370-0548 (fax)

Westmate
Westlaw communications software
Macintosh Plus or larger; System 6.0 or later.

Westmate is a communications package that customizes Macintosh computers for use with Westlaw, a computer-assisted legal research service. The software is designed to help a user complete a Westlaw research session in the most efficient manner possible. A user-definable button palette and pull-down menus provide access to frequently used Westlaw commands. File management features allow a user to manage information without returning to the desktop. The software can be programmed to access other online services and databases automatically. Key features include: automatic access to Westlaw and other online services; one-click Westlaw commands for frequently used functions; automatic entry of a user's Westlaw password; a new tutorial; file management features (browse, print, rename and delete); store-to-disk capabilities, including full document downloading; and various printing capabilities, including offline, dual-column printing on attached PostScript printers, which produce pages similar to those in a West reporter.
Initial subscription free to Westlaw subscribers
Site license update fee
West Publishing; 620 Opperman Dr.; Eagan, MN 55123; 612-687-7000, 800-328-9352 or 612-687-7302 (fax)

White Knight 12.0
Telecommunications
Macintosh Plus or larger.

White Knight, successor to the Red Ryder telecommunications program, supports emulation of TTY, VT52, VT100, VT102 , VT200/220 and Televideo 900 Series terminals and offers 12 different file transfer protocols, including four styles of Xmodem, three styles of Ymodem, Zmodem, CompuServe Quick-B, Flash Protocol and three styles of Kermit. It supports color QuickDraw and large monitors. It sports an interface that can be customized with icons and pictures, and an improved Host Mode for unattended remote operation. The 200+ command Procedure language allows complete automation with customizable dialog boxes, windows and menus. The 270+ page user manual is geared to all levels of experience. White Knight works in the background under MultiFinder. The features included with version 12 are built-in facilities for the procedure editor; a virtual memory text editor (which doubles as a procedure compiler); CompuServe Quick-B file transfer protocol; emulation of DEC V200/220 and Televideo 900 Series terminals; and support for basic AppleEvents, Edition Manager, AppleScripts and the Communication ToolBox. A BASIC language extension — which may be used in conjunction with White Knight Procedures — adds even more power to an already flexible and powerful communications package.
$139 retail
The FreeSoft Co.; 105 McKinley Rd.; Beaver Falls, PA 15010; 412-846-2700 or 412-847-4436 (fax)

WireTap Professional
Telecommunications software
Macintosh Plus or larger; 2 MB of RAM; 1.4 MB floppy disk drive; System 7.0.1 or later.

WireTap Professional sets the business-standard for telecommunications software and will operate on either Macs or PCs. More than 20 file transfer protocols are provided, including Zmodem, Zmodem-90, SEAlink, Kermit and more. More than 300 terminal emulations are provided, including PC-Color ANSI and TeleVideo 925 to 950 emulations and more. All modems are supported, with more than 30 special driver files included for Compucom, Hayes, Everex, Microcom, MultiTech and more. The CommToolBox is seamlessly integrated. Hologlyph's Pascal script language compiler is unmatched and includes XCMD and XFCN support. Apple Events, outline fonts, 32-bit clean, Balloon Help, full backgrounding (even during transfers), stationery pads, virtual memory and process manager are all supported. Windows version is included free. Interfaces are nearly identical. Files are binary level compatible.
$49.95 U.S. ($69.95 foreign) retail
Hologlyph, Inc.; PO Box 1305; Arvada, CO 80001; 303-422-9082, 800-283-9082 or 303-422-4366 (fax)

WWIV Mac BBS
Shareware bulletin board system
Macintosh 512K or larger; hard disk drive; Hayes-compatible modem.

WWIV Mac BBS is a complete software package for running a bulletin-board system (BBS) on a Macintosh. Features include: any number of users, password protection, security levels, online help, public and private mail, file upload/download, voting, support for high-speed modems, external applications (including FidoNet access) and more.
$30 or more donation
T.R. Teague; 530 W. Dana St.; Mountain View, CA 94041; CompuServe: 76354,324 or Telex: 6502792400 MCI

XCOM
Data transport
Macintosh Plus or larger.

XCOM is a facility for transferring data (including reports, jobs and files) between Macintosh and IBM mainframes, System 3Xs, AS/400s, DEC VAXs, PCs (both DOS and OS/2), Stratus/S/88, Data General, Tandem, Token Ring LANs, LAN gateways, Unix-based systems and Windows. It provides a consistent user interface regardless of the computer it is installed on. By utilizing APPC/LU 6.2, XCOM permits peer-to-peer transfers to be initiated at either end, unattended, with extensive error checking and automatic error recovery. Communications is at the operating system level, without terminal emulation. XCOM typically allows record lengths of up to 32K. It supports dial-up or dedicated lines, CPU channels, coax and token-ring LAN. It handles both binary and character data, transparently, in either ASCII or EBCDIC. XCOM provides any-to-any communications between all supported devices and is fully PU 2.1 compatible.
Call for pricing
Legent Corp.; 575 Herndon Pkwy.; Herndon, VA 22070; 800-676-5468, ext. 201

Desktop Communications/ Other

1stBBS-II
Bulletin board system with remote database access
Macintosh Plus or larger; 1 MB of RAM.

1stBBS-II provides a powerful data communications system, linking together Macintoshes and DOS machines that have modems or are connected to an AppleTalk network. Remote users would have the ability to access databases, transfer files and E-mail capability. 1stBBS-II would prove invaluable for companies with branches in many different cities. All remote users would have the ability to access databases, such as a customer address list, price list, inventory, etc., and to send private E-mail messages with files attached. Registered owners of 1stBBS-II are licensed to make an unlimited number of copies of the Mac or DOS version of the remote modules. The program is designed to minimize online time and expense by allowing users to perform many of their tasks while offline. The host module is password protected and maintains an activity log. 1stBBS-II is AppleTalk and System 6/7 compatible. Modem speeds up to 38,400 bps and V.32 and V.42bis are supported.
$129 retail
1stDESK Systems, Inc.; 55-57 Cape Rd.; Mendon, MA 01756; 800-522-2286 or 508-634-0882 (fax)

2Way Talker
Allows two users to communicate in real time
Macintosh Classic or larger; microphone; AppleTalk or EtherTalk network connection; System 6.0.7 or later.

2Way Talker is a software-only product that allows two users on an existing Macintosh network to communicate in real time using the Macintosh built-in microphone and speaker. The product allows hands-free, full-duplex voice communication while running other applications. The product makes use of EtherTalk and lightly loaded LocalTalk networks. A compression mode can be used to reduce network traffic. Talker requires a Macintosh with a built-in Apple microphone or a third-party microphone, such as Macromedia's MacRecorder. Macintoshes without a microphone may be used in a listen-only mode. Talker supports Balloon Help, core AppleEvents and is 32-bit clean. The Talker program separates the talking and listening functions into two programs. The Talk•In module allows any Macintosh with a speaker to monitor the network and listen to a conversation from any other user with the Talk•Out module. An address book feature helps with frequently called numbers.
$79.95 retail
2 Way Computing, Inc.; 4370 La Jolla Village Dr., Ste. 400; San Diego, CA 92122; 619-452-3888 or 619-452-3077 (fax)

4-Sight Fax 2.5
Network fax communications software
Macintosh with 68030 processor or larger; 1.6 MB of RAM; System 7.0 or later; Floating point chip recommended.

4-Sight Fax is a LAN based solution that lets users send and receive faxes anywhere in the world from a Macintosh or Windows computer. It is the only computer fax solution that seamlessly integrates with popular Macintosh E-mail packages. 4-Sight Fax is a true client-server system — it does not require FileSharing or AppleShare to connect the users to the server, however it is compatible with both. Originally designed for large corporate sites, configurations are now available for as few as 10 users. 4-Sight Fax users enjoy many benefits — one step faxing from within applications, multiple enclosures, automatic queuing, self archiving activity log, advanced accounting, notification and custom cover sheets. 4-Sight offers unlimited expansion capabilities by adding phone lines and servers. Windows client and DID routing available.
$795 starting price retail
CommFORCE, L.C.; 1801 Industrial Cir.; PO Box 65340; West Des Moines, IA 50265; 515-224-0211, 800-448-3299 (fax) or 011-44-202-764401 in U.K.

4-Sight Fax Solo & EagleEye OCR
Fax/modem and OCR software
Macintosh SE or larger; 4 MB of RAM; System 7.0 or later.

4-Sight Fax Solo and EagleEye OCR combine powerful, fully-featured and easy-to-use software for Macintosh-based faxing. 4-Sight Fax Solo is the stand-alone version of the 4-Sight Fax network fax/modem software developed by 4-Sight Ltd., U.K. (licensed through CommFORCE, L.C. in the U.S.) and offers many of the same features as the network version. Compatible with many popular fax/modems, 4-Sight Fax Solo allows simple keystroke faxing with automatic reverting to a user's normal printer selection in the Chooser. The software also allows faxing of multiple documents from different applications. EagleEye OCR software offers superior recognition of poor quality and low-resolution fax documents with less than 1 MB of RAM and only 2 MB of hard disk space required. EagleEye is extremely easy to use. Automatic layout recognition allows for very little user interaction. The translation is fast, and EagleEye OCR also recognizes and maintains graphics and illustrations.
$179 retail
Paradygn Concepts, Inc.; 10717 Camino Ruiz, Ste. 155; San Diego, CA 92126; 619-578-2327, 800-466-3957 or 619-578-3233 (fax)

Apple Internet Router
Allows AppleTalk network users to easily connect local and remote workgroups together
Macintosh Plus or larger; 4 MB of RAM; System 7.0 or later.

The Apple Internet Router product family provides wide-area networking (WAN) connectivity by implementing a new technology — called the AppleTalk Update-based Routing Protocol (AURP) — which significantly reduces network traffic. Additionally, the router software provides enhanced local area networking (LAN) support, routing data between industry standard LocalTalk, Ethernet, Token-Ring and other network types. The Apple Internet Router product family includes a base connectivity kit and two Apple extension kits for moving AppleTalk data across foreign (non-AppleTalk) networks. The Basic Connectivity Package provides the core routing software and technology, including a dial-up extension for connecting remote workgroups together over standard telephone lines, as well as network management support through the industry standard Simple Network Management Protocol (SNMP). It also provides the base product on which other extensions can be built. Apple's two extension packages — the AppleTalk/IP Wide Area Extension and the AppleTalk/X.25 Wide Area Extension — provide wide area AppleTalk routing over TCP/IP and X.25 networks, respectively.
Call for pricing; Basic Connectivity Package
Call for pricing; AppleTalk/IP Wide Area Extension
Call for pricing; AppleTalk/X.25 Wide Area Extension
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

AppleTalk Connection And TCP/IP Connection For Macintosh
Enable system administrators to manage Macintosh computers on their global networks using existing SNMP management consoles
Macintosh Plus or larger; System 7.0 or later.

AppleTalk Connection and TCP/IP Connection bring SNMP manageability to any Macintosh computer running System 7. Both products provide a new System 7 service called the SNMP Manager, which is designed to support SNMP agents from Apple and Apple developers. The SNMP agents provided with AppleTalk Connection and TCP/IP Connection include the Network Agent, which collects data on the network data links; the AppleTalk Agent and TCP/IP Agent, which collect data about their respective transport protocols; and the Macintosh Agent, which collects data about the Macintosh computer hardware and software configuration. These agents allow system administrators, using a variety of different platforms, to track Macintosh computers over a network and to easily identify and diagnose network-related problems. The AppleTalk Connection is a complete networking product that includes data link drivers for LocalTalk, Ethernet and Token Ring, the AppleTalk transport protocols, NBP built-in naming service and SNMP network manageability. It provides a foundation for network printing and file sharing, as well as for collaborative and client-server applications, such as electronic mail and database service. The AppleTalk Connection product provides a convenient way for Macintosh customers to add SNMP manageability while updating the AppleTalk software that comes bundled with their systems. TCP/IP Connection provides the software necessary to connect a Macintosh computer to a TCP/IP network and to manage the Macintosh from a console using the SNMP. The product includes the MacTCP Transport protocol; SNMP management agents for the data link, TCP/IP protocol and Macintosh hardware and software; data-link drivers; a DNR hosts file interface; and a ping test application (MPing). An administrator's kit provides comprehensive documentation and utilities for centralized configuration of the SNMP and TCP/IP software modules.
Call for pricing; AppleTalk Connection for Macintosh
Call for pricing; AppleTalk Connection for Macintosh 20-user license
Call for pricing; AppleTalk Administration for Macintosh
Call for pricing; TCP/IP Connection for Macintosh
Call for pricing; TCP/IP Connection for Macintosh 20-user license
Call for pricing; TCP/IP Administration for Macintosh
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

■ **Blast Professional For Macintosh**
Terminal emulation, file transfer and scripting language
Macintosh II or larger; System 7.0 or later.

Blast Professional for Macintosh is a complete serial communications product offering file transfer protocols, terminal emulators and a scripting language. Blast Professional supports Xmodem, Ymodem, Zmodem, Kermit and the Blast file transfer protocol. Using the Blast protocol, users can transfer large amounts of data quickly and with complete protection from line noise and propagation delay to more than 40 different platforms that Blast supports. Blast Professional offers a dozen terminal emulators for communications with a variety of BBBs, workstations, minicomputers and mainframes. Blast provides an extensive scripting language to automate complex communications tasks. Blast supports System 7 features like "drag and drop."
$139 retail
Blast Inc.; PO Box 808; Pittsboro, NC 27312; 919-542-3007, 800-242-5278 or 919-542-0161 (fax)

■ **C.A. Facilitator**
Client/server with relational database
Any Macintosh or Power Macintosh; 2.5 MB of RAM; 10 MB hard disk drive; 4th Dimension.

C.A. Facilitator is a client/server application with a fully relational database that allows advanced users to develop their own client/server applications without additional software. C.A. Facilitator is a fully integrated tool kit for collaborative work groups. Combined in one user-friendly package are the features found in informal conferencing programs, such as CompuServe, with the sophisticated group decision support tools available in electronic meeting rooms. This application gives an organization the ability to dramatically enhance communications within and between departments while achieving a significant reduction in meeting time and project turnaround. Extensive customization, facilitation and training services are available.
$999 retail; per concurrent user (site license available)
McCall Szerdy and Associates, Inc.; 4323 23rd St.; San Francisco, CA 94105; 805-682-6939, 800-423-8890 or 805-682-6279 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

Call Me!
Network-based intercom system
Macintosh LC or larger; Sound Manager-compatible microphone; AppleTalk Phase 2; System 7.

Call Me! is a network-based intercom system. It lets users use their computers to talk to other network users. A built-in microphone or Sound Manager-compatible microphone can be used to speak to a selected user in real time. Users can even talk to people while they are running other applications. Call Me! runs in the background until a user is called or they wish to call someone. With Call Me!, users can also use their Macintosh as a personal network answering machine; record a greeting message that others hear when they call; transfer sound and text files to other Call Me! users; play back sound notes left by other Call Me! users; record and play standard Sound Files (AIFF/AIFC); and more.
$49.95 retail; two users
$199.95 retail; five pak
$375 retail; 10 pak
PeCox (Software) Ltd.; PO Box 9326; McLean, VA 22102; 800-445-4997 or 703-281-3127 (fax)

Cameo Personal Video System V.3.0
Full-color motion video desktop videoconferencing system
Macintosh IIci, IIfx, Quadra, Duo Dock or PowerPC; QuickTime; EuRoNIS Plant ISDN card; video digitizing card; analog phone; System 7.0 or later.

Now, desktop videoconferencing from a user's home or office is easier and more affordable than ever before. The Cameo Personal Video System (Cameo) is a low-cost, high-quality, point-to-point, full-color desktop videoconferencing system for the Macintosh computer. Cameo can be used on the Apple Macintosh IIci, IIfx, Quadra, Duo (when equipped with Docking Unit) and Power Macintosh running System 7. Cameo offers increased network availability, supporting Integrated Services Digital Networks (ISDN), switched 56 Kbps (SW/56) digital telephone lines and Ethernet (LAN) transmission. Increased access to a greater variety of network options brings the benefits of desktop videoconferencing to many more customers. Cameo 3.0 supports several V. Fast class modems on Macintosh AV systems and supports the ability to annotate and review documents on a remotely located computer. Shared editing, interactive whiteboard and shared workplace are included as part of the whiteboard application available with Cameo 3.0.
$1,499 retail
Compression Labs, Inc.; 2860 Junction Ave.; San Jose, CA 95134; 800-538-7542 or 408-922-4608 (fax)

CGM Validator
Test tool for investigating CGM files
Macintosh Plus or larger.

CGM Validator is a test tool for investigating CGM files and verifying their conformance to the Computer Graphics Metafile (CGM) standard (ANSI/ISO 8632:1992). It includes a trace facility that creates formatted dumps of any subset of the contents of a CGM; identifies all deviations from the ANSI/ISO CGM standard and important CGM profiles; checks all 1992 CGM Version 3 extensions, such as Bezier curves, symbol libraries, conics and NURBS, as well as all Version 1 and Version 2 elements; and provides a modern Macintosh user interface that is very easy to use.
$499 retail
GSC Associates, Inc.; 13254 Jefferson Ave.; Hawthorne, CA 90250; 310-675-2093 or 310-675-2159 (fax)

Common Ground 1.1
The simple way to share documents electronically
Macintosh Plus or larger; System 6.0.7 or later.

Whether users want to share a document electronically with one of their colleagues or distribute a newsletter to thousands, Common Ground provides a simple, cost-effective solution that works. Common Ground lets users convert any document to an exact representation of the original that can be viewed and printed by anyone, regardless of their application, computer and fonts — even if they haven't yet purchased Common Ground.
$189.95 retail
No Hands Software, Inc.; 1301 Shoreway Rd., #220; Belmont, CA 94002; 415-802-5800 or 415-593-6868 (fax)

Connect 918
Desktop video conferencing system
Macintosh II or larger; 8 MB of RAM; 1 MB of hard disk space; one available NuBus slot; 16- or 24-bit color; Apple Communication Toolbox; System 7.0 or later.

Connect 918 is a comprehensive desktop video conferencing system that enables real-time collaborative communication. This system supports TSS standards and can run over a variety of lines, including ISDN, Switched 56, LAN and analog. Connect 918 has many powerful features, including full color and motion, resizable video window, resizable 24-bit shared white board, screen sharing, file transfer and video/audio recording and playback.
$4,299 retail; LAN/Analog version
$5,899 retail; ISDN version
NUTS Technologies Inc.; 101 Metro Dr., Ste. 750; San Jose, CA 95110; 408-441-2166 or 408-441-2177 (fax)

Dialog OnDisc 2.0
CD-ROM databases
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; CD-ROM drive.

Dialog OnDisc makes it easier and more efficient for users to search, display, compare and tailor output from CD-ROM databases. Version 2.0 offers the following step-saving features and enhanced output options, including: the capacity to save searches and re-execute them later on different discs; the ability to repeat the current search on a new disc, without having to re-enter terms; custom, columnar reports that can be modified, saved and reused on different discs; horizontal scrolling for complete viewing of wide reports, and of wide charts and tables in selected databases; images, currently available in the Dialog OnDisc Trademarkscan(R)-Federal database, which can be saved in a variety of formats for later viewing or use with another application; and selected Dialog Command Search options, and the ability to alternate easily between Command Search and Easy Menu Search.
Call for pricing
Dialog Information Services, Inc.; 3460 Hillview Ave.; Palo Alto, CA 94304; 415-858-3785, 800-334-2564 or 415-858-7069 (fax)

Fax2PICT
Converts fax files into PICT files
Macintosh Plus or larger.

Fax2PICT is an application that will decompress any CCITT Group 3 1D, Group 3 2D or Group 4 fax file into a Macintosh PICT file. It automatically recognizes and processes fax headers from most sources; conforms to MIL-R-28002A, FIPS 150, MIL-STD-1840A and CCITT Recommendations T.4 and T.6; and can automatically convert a set of files and process both bit order reversed and byte order reversed files.
$279 retail
GSC Associates, Inc.; 13254 Jefferson Ave.; Hawthorne, CA 90250; 310-675-2093 or 310-675-2159 (fax)

Faxcom For Macintosh
Fax server system
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later.

Faxcom for Macintosh is a high-performance fax server system for Macintosh networks. It combines the power of Biscom's Faxcom fax server with the efficiency and ease of use of simileFax software by SIMILE Software Co. simileFax allows documents to be created and sent directly from any Macintosh application with no more effort than it would take to print that document. In fact, Faxcom servers look like LaserWriter printers to both users and Macintosh applications. simileFax, combined with the PostScript capabilities of the Faxcom fax server, delivers true WYPIWYF (What You Print Is What You Fax). Once the fax is sent from a user's Macintosh, address information can be appended from the address book and cover page information added. Faxes can be sent immediately or scheduled for transmission at a more appropriate or convenient time. Important fax messages can be given priority in the fax queue and could be sent instantaneously. simileFax Administrator provides powerful tools for both users and the network manager to control fax jobs and the simileFax server.
$1,995 retail; software only
Biscom, Inc.; 321 Billerica Rd.; Chelmsford, MA 01824; 508-250-1800, 800-477-2472 or 508-250-4449 (fax)

FlexCom — alsUTS Uniscope Terminal Tool
Enables Macintosh computers to emulate Unisys Uniscope terminals
Macintosh Plus or larger; System 6 or 7 with CTB application.

FlexCom is a software architecture designed by Air Land Systems for Apple Macintosh users. The design is based on Apple's Communications Toolbox (CTB). FlexCom allows for standardized modular software products (Tools) to be linked together for easy configuration and operation in a user's application. FlexCom provides for an extremely flexible mode of communication, allowing users to design various applications, interconnect to one or more Host/Mainframe computers and/or transfer data. The alsUTS40 Uniscope Terminal Tool enables Macintosh computers to emulate Unisys Uniscope terminals (specifically UTS-20, 30, 40, 60 or SVT-1120 sync terminals) while maintaining Apple's user friendly interface. This feature rich emulator allows users to enter data, customize text displays, as well as transfer, save and print files. It has tear-off command and function boxes, giving users the flexibility to arrange the boxes in a style that best suits the way they work.
$125 retail
Air Land Systems Corp.; 2710 Prosperity Ave.; Fairfax, VA 22031; 703-573-1100, 800-247-5263 or 703-573-0121 (fax)

G4 Validator
Test tool for investigating Group 4 fax files
Macintosh Plus or larger.

G4 Validator is an advanced tool for verifying Group 4 fax files. It produces a trace listing showing how fax code words are translated into bit patterns and identifying all deviations from CCITT and MIL standards. A modern Macintosh user interface makes it very easy to use. G4 Validator tests Group 4 fax files for compliance with CCITT Recommendation T.6 and MIL-R-28002A. It includes a trace facility that creates formatted dumps of the coding of any subset of the contents of a G4 fax file. This is invaluable for investigating Group 4 files, determining their contents and trouble-shooting system integration problems.
$429 retail
GSC Associates, Inc.; 13254 Jefferson Ave.; Hawthorne, CA 90250; 310-675-2093 or 310-675-2159 (fax)

Hayes Modem Tool
Connection tool
Macintosh Plus or larger; System 7.

Hayes Modem Tool is a connection tool for use with the Macintosh Communications Toolbox that provides easy and complete access to the advanced features of Hayes modems. Settings provided by the tool are divided into five functional areas, accessible through a scrolling list of panels. Each area controls some aspect of the modem or the connection. Written to the specifications of the Macintosh Communications Toolbox, the Hayes Modem Tool can be used without modification by any program that supports the Communications Toolbox. The Hayes Modem Tool has been designed for use with Hayes modems, allowing users to take full advantage of their modems through applications supporting the Macintosh Communications Toolbox. The five settings groups provided by the Hayes Modem Tool are: Connection Settings, Modem Settings, Port Settings, V-Series Settings and Setup Strings.
Free
Hayes Microcomputer Products, Inc.; PO Box 105203; Atlanta, GA 30348; 404-441-1617 or 404-449-0087 (fax)

HayesConnect V3.0
Allows any Mac to operate as a non-dedicated serial server
Any Macintosh.

HayesConnect allows any Macintosh system to operate as a non-dedicated serial server, allowing users to share resources, such as modems, plotters and printers, as well as manage the use and allocation of

these resources. Version 3.0 includes enhanced server features, such as device pooling, security, activity logging and support of the Macintosh Communications Toolbox. HayesConnect uses the AppleTalk Data Stream Protocol (ADSP) to link served devices and workstations over LocalTalk and Ethernet networks with the AppleTalk network protocols.
$129 retail
Hayes Microcomputer Products, Inc.; PO Box 105203; Atlanta, GA 30348; 404-441-1617 or 404-449-0087 (fax)

hiBBS
Business-oriented, multiuser bulletin board system
Macintosh Plus or larger.

hiBBS (human interface BBS) is a business-oriented, multiuser bulletin board system operating directly on X.25 networks, standard asynchronous modem lines or even locally on an AppleTalk network. Features include: easy-to-use interface with icons and buttons; no syntax to remember; one-button connection process; auto-updating of BBS sections on connection; connection time always available during a session; flash messages on connection; local/connected mode for one-button archiving/browsing of sessions; and auto-connection from any point during local browsing. Macintosh, Windows and ASCII interface is available.
$235 U.S. starting price retail
XBR Communications Inc.; 5253 Décarie Blvd., Ste. 550; Montreal, Quebec, Canada H3W 3C3; 514-489-1001 or 514-489-4966 (fax)

ImageCatcher
Allows users to display, print and save images retrieved on the Dialog online service
Macintosh 512KE or larger; System 4.2 or later, except System 7.0.

ImageCatcher is a desk accessory that works in conjunction with Macintosh telecommunications software to allow users to display, print and save images retrieved on the Dialog online information service. Currently, two Dialog databases contain images: TRADEMARKSCAN-FEDERAL, which contains trademark design images; and CHAPMAN AND HALL CHEMICAL DATABASE, which offers chemical structure images. ImageCatcher supports TIFF, PICT and MacPaint formats, which allows the transfer of Dialog images into such applications packages as PageMaker, MacPaint, MacWrite and Microsoft Word. ImageCatcher includes documentation and is supported by Dialog's Customer Services Department, which provides toll-free telephone support seven days a week.
$49 retail
Dialog Information Services, Inc.; 3460 Hillview Ave.; Palo Alto, CA 94304; 415-858-3785, 800-334-2564 or 415-858-7069 (fax)

LAN WorkPlace For Macintosh
Macintosh access to TCP/IP hosts
Macintosh Plus or larger.

Novell LAN WorkPlace enables Macintosh users to access multiple TCP/IP hosts on an Ethernet network. The components that make up LAN WorkPlace include: Telnet, which provides VT220, VT100 terminal emulation; FTP, for transferring files between hosts; Novell TCP/IP (or optionally MacTCP), the underlying transport layer; and NetStat, a desk accessory for displaying network statistics. With LAN WorkPlace, Macintosh users can seamlessly access a range of dissimilar hosts, servers and workgroups, including PCs, Unix-based workstations, VAX minicomputers and IBM mainframes. LAN WorkPlace users can also share network resources, such as printers, plotters and file servers.
$399 retail; single user
$1,995 retail; 10 pack
$12,995 retail; 100 pack
Novell, Inc.; 122 East 1700 South; Provo, UT 84606; 801-429-7000 or 800-638-9273

LocalPath
Enables network users to connect up to eight LocalTalk devices to Ethernet and Token Ring networks
Macintosh Plus or larger; AppleTalk V.57; EtherTalk 2.3 or later; TokenTalk 2.4 or later; System 6.0.4 or later.

Farallon LocalPath software enables network users to connect up to eight LocalTalk devices to Ethernet and Token Ring networks. LocalPath features Farallon's forwarding technology, which provides several benefits over full router technology: easier configuration, lower memory requirements, lower computing overhead, lower cost and less extra network traffic initiated by routers. LocalPath enables LocalTalk devices to seamlessly connect to Ethernet or Token Ring networks by making those devices appear as if they were attached directly to the primary LAN. Other features include: easy installation with a one-button installer and restart and a control panel interface to display all connected devices.
$199 retail
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

■ **Lotus Notes Release 3.1**
Client server
Macintosh II, SE/30, LC, Performa, Quadra or PowerBook (except Model 100); 4 MB of RAM; System 6.0.4 or later; AppleTalk on Ethernet and Token Ring based networks.

Lotus Notes is a client-server platform for developing and deploying groupware applications. Notes allows users to access, track, share and organize information in ways never before possible, even if they are only occasionally connected to a network. Notes will improve business processes, including customer service, sales and account management and product development.
$495 retail; per client
$995 retail; starter pack (two clients, one server)
$4,950 retail; group pack (10 clients, one server)
Lotus Development Corp.; 800 El Camino Real West; Mountain View, CA 94040; 415-335-6600, 800-448-2500 or 415-960-0840 (fax)

MacEDI
Electronic data interchange management system
Macintosh Plus or larger; 2 MB of RAM.

MacEDI is an EDI (Electronic Data Interchange) management system. EDI is the computer to computer exchange of business documents, such as purchase orders and invoices in standardized formats such as ANSI X12. Benefits include: documents are delivered instantly, electronically and letter perfect; no retyping of data; and reduces labor costs and clerical errors. MacEDI includes an EDI translator that makes sure a user's transactions comply with EDI standards. It provides the capability to import and export data between MacEDI and other business applications, such as database, spreadsheet and bar-code software. Both asynchronous and bisynchronous communications are supported.
$1,950 retail
Digit Software, Inc.; PO Box 1425; Silver Spring, MD 20915; 301-593-8952 or 301-593-2201 (fax)

Maclan Connect For Windows
Integrates Macintosh computers into virtually any PC LAN environment
Any Macintosh; IBM PC or compatible (386 or larger); 2 MB of RAM; Windows 3.1 or later; PC interface card; AppleTalk interface card.

Maclan Connect for Windows provides a non-dedicated way to integrate Macintosh computers into virtually any PC LAN environment. The software runs, in the background, on any Windows-based PC and allows Macintosh users to transparently share files, printers and E-mail. Maclan Connect for Windows supports unlimited Macintosh users and is fully AFP 2.1 compliant. Macintosh users do not need to learn another complicated interface or add any additional software to access PC resources. All PC files and printers are accessed using the standard Macintosh "AppleShare" Chooser interface. Maclan Connect for Windows acts as a print spooler for Macintoshes. Any number of LaserWriters, or any of the PostScript printers attached to the server, can be associated with Maclan queues. Macintosh users can print a job and return to the application immediately while Maclan Connect prints the job. Maclan Connect for Windows allows Macintosh computers and PCs to share E-mail with any cross-platform E-mail package.
$695 retail
Miramar Systems; 121 Gray Ave., Ste. 200B; Santa Barbara, CA 93101; 805-966-2432, 800-862-2526 or 805-965-1824 (fax)

MacLine
Connects a Macintosh to a variety of other computers and information services
Macintosh 512K or larger.

MacLine software enables users to connect a Macintosh to a variety of other computers and information services. Users need only start the program and plug in a serial communication line. The Macintosh is ready to work in connection with another system. The MacLine Terminal Emulator allows a Macintosh to double as an interface to many popular applications implemented on other computers. The Macintosh can also be used as a part of the Connectables Network, enabling it to exchange mail with other system users, transfer files to and from other computers and access a remote printer or disk. MacLine, in combination with PCworks and UniHost software packages, provides a connection from the Macintosh to a variety of other PCs and Unix computer systems. With the MacLine/UniHost combination the Unix system acts as a network manager, enabling the Macintosh to utilize the powerful multiuser software and hardware on the Unix system. Using MacLine with either PCworks or UniHost will allow the conversion of data back and forth from Macintosh format to a format compatible with MS-DOS or Unix systems. Printers in the other system can be accessed to produce reports. Users of all three types of computers can exchange mail using the Unix system as a host. A Multiplan file may be moved from the Macintosh to a PC or a test file moved from Unix to the Macintosh for editing and graphics enhancement. The file can then be printed on the Unix system printer.
$145 retail
N.E.I.; 23052-H Alicia Pkwy., #455; Mission Viejo, CA 92692; 714-367-1919, 800-832-4007 or 714-367-1932 (fax)

MacODA
Software translator; facilitates the interchange of documents between different applications and platforms
Macintosh with 4 MB of RAM; internal hard disk drive; System 6.0.4 or later.

MacODA is a software translator that implements the Open Document Architecture (ODA) standard. Using MacODA, users can exchange complex documents (including graphics) with users who work with different word processing applications or on different platforms, while preserving the original format of the documents. MacODA converts ODA documents to and from the Claris XTND translation system. With XTND integrated into an application, users can open documents that were created in another application as long as they have the appropriate translator installed. MacODA gives XTND-compatible applications the ability to open the ODA documents that users receive and to save documents in the ODA format. ODA is a document interchange standard established by the International Organization for Standardization (ISO). It facilitates the interchange of documents between different applications and platforms, including documents that contain complex formatting information and graphics. MacODA is independent of the transfer medium.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Meeting Space
Interactive, electronic meeting package
Macintosh with 68020 or larger processor; System 7.0 or later.

Meeting Space is an interactive, electronic meeting package specifically aimed at the existing Macintosh and Windows desktop market. Meeting Space allows users to conduct meetings in multiple locations using their networked Macintosh computers. Meeting Space communications are both immediate and direct, without the drawbacks, inconvenience and cost associated with telephone video systems or traveling to meeting places. No additional equipment is necessary. Unlike other products that provide high-end multimedia and teleconferencing requiring expensive video cameras or powerful workstations, Meeting Space runs on existing desktop and network configurations. Supported networks include AppleTalk, TCP/IP and ARA over phone lines. Meeting Space provides all the necessary tools to conduct a wide variety of meetings

These Products Available Through Bottom Line Distribution
1-800-347-1923

from the desktop. These tools include Instant Minutes, white boards, presentation screens and agendas.
$350 per user retail; site licenses available
World Benders, Inc.; PO Box 7415; Nashua, NH 03060; 603-881-5432 (phone/fax)

Mesa Graphics Com Pack
Installer, connection tools, file transfer tools, utilities and more
Macintosh Plus or larger; System 6.0 or later.

Mesa Graphics Com Pack provides an installer for Apple's Communications Toolbox, the Toolbox, basic connection tools and file transfer tools for use with TextTerm+Graphics, the Mesa Graphics Communication Utility or with other software that supports the Communications Toolbox. The connection tools include a Modem tool, a Serial tool, an ADSP tool and a TCP tool. The file transfer tools include a Text tool and an Xmodem tool.
$75 retail
Mesa Graphics, Inc.; PO Box 600; Los Alamos, NM 87544; 505-672-1998

■ MicMac
Speech recording and playback
Macintosh II or larger; System 7.0; built-in sound input or microphone.

MicMac allows users to record meetings, conversations or dictation from the microphone input for arbitrary length of time. At the same time, users may use their computer with most other programs while MicMac keeps recording. Once users have recorded, MicMac allows them to control playback from the keyboard while they type in their word processing program. It is easy to type sections of recorded speech. MicMac by itself allows browsing, marking and random access to recordings. The user can choose key combinations and sound formats. At the standard recording quality of 22 KHz, 8-bits, 6:1 compression, one minute of MicMac audio recording uses 225K of hard disk space, one hour uses 13 MB. MicMac is also good for interviews, lectures, auditions or writings.
$89 retail
Nirvana Research; PO Box 5249; Santa Cruz, CA 95063; 408-459-9663 (phone/fax)

NetMod
Network modeling tool
Macintosh Classic or larger; HyperCard; System 7.0 or later.

NetMod is an easy-to-use and affordable network modeling tool that enables users to generate complex network configurations and quantitatively evaluate alternative network architectures and traffic loads. NetMod offers powerful capabilities and can easily model advanced networks of 50,000 or more nodes in a heterogeneous environment within a company or university. NetMod can be used by network designers to evaluate the efficiency of planned configurations and by systems administrators to assess existing network capacity, compare alternate configurations and perform sensitivity analyses. NetMod comes pre-configured for LAN technologies, including Ethernet and Token Ring, and special network components, such as routers, bridges and adapter cards. Other features include: the Model Builder screen, which enables the network designer to create a network topology and display it graphically on screen; the Analyzer Screen, which analyzes the model's expected performance; and the ability to add and modify applications and the workstation machine card to create customized network architectures. NetMod is available for Macintosh and PC (DOS and OS/2) platforms.
$500 retail
University of Michigan Software; Wolverine Tower #2071; 3003 S. State St.; Ann Arbor, MI 48109; 313-763-5509 or 313-763-1260 (fax)

■ Network Scheduler 3
Workgroup scheduling application
Macintosh Plus or larger; 4 MB of RAM; network connection.

Network Scheduler 3 (NS3) is a workgroup scheduling application that manages individual, group and resource scheduling in graphical formats across all popular LANs. NS3 boosts productivity by bridging communication gaps, facilitating meeting planning and eliminating telephone tag. NS3, for Windows, DOS and Macintosh platforms, supports industry standard protocols, including VIM, MAPI, MHS and X.400. NS3 links individual calendars together companywide. Searching for available times, alerting participants, providing for response and updating each calendar as needed is done automatically. Users can set the system to scan and search for an appropriate meeting time, or they can overlay individual calendars to identify available time slots. Non-calendar users can receive schedule updates via their existing E-mail system. E-mail is not required to operate NS3, but it can be configured to operate in conjunction with an organization's E-mail system.
$495 retail; five users
$1,995 retail; 25 users
CE Software, Inc.; PO Box 65580; West Des Moines, IA 50265; 515-221-1801 or 515-221-1806 (fax)

Notify!
Wireless message center
Macintosh Plus or larger; Hayes-compatible modem; alphanumeric pager with service; System 7.

Notify! is software for System 7 that extends a Macintosh's reach right into a user's pocket. It links a user's Macintosh to a tiny, full-text pocket pager through any local or nationwide paging company. Type a message on the Mac and have it appear within seconds on any pager. By itself, Notify! supports unlimited services, pagers, user-created broadcast groups and user-definable message texts, plus complete message logging and store and recall of commonly used messages. Notify! can be used to add the power of remote messaging to other applications, too. Notify! is compatible with programs from more than 165 publishers. With calendars like Aldus Date Book, users can have unlimited appointment reminders sent throughout the day. With network monitoring programs like Local Peek or Net Watchman, users can be instantly advised of their computer network status. Users can use TFLX for complex voicemail applications, or QuicKeys, HyperCard or Frontier to integrate the entire desktop.
$149 retail; Personal Edition
$399 retail; Network Edition
Ex Machina, Inc.; 11 E. 26th St., 16th Fl.; New York, NY 10010; 800-238-4738

PacerForum
Provides online conferencing and project collaboration functionality using a bulletin board model to Macintosh and Windows clients
Macintosh Plus or larger; 1 MB of RAM (2 MB recommended); hard disk drive required for server; System 6.0.4 or later. IBM PC 386 or larger; 4 MB of RAM; Windows 3.1 or later.

PacerForum is a collaborative computing product that provides online conferencing and project collaboration to Macintosh and Windows clients on a network. It employs an icon-based graphical user interface to support the distribution of text, pictures, sounds, documents and applications. With PacerForum, group members have a powerful tool for information and document distribution, brainstorming, project planning, collaborative design, news broadcasting and other information sharing functions. Running as an application on each user's system, and as a background server process on one or more systems, PacerForum is organized into a set of bulletin boards, each containing any number of topics. Both bulletin boards and topics are user defined and are accessed by simply double-clicking on their icons. The versatile topic document, which appears when a topic is opened, is a record of user responses. Each message may include any combination of text and graphics, files or sounds.
$549 retail; five pack
$1,995 retail; 25 pack
Pacer Software, Inc.; 1900 West Park Dr., Ste. 280; Westborough, MA 01581; 508-898-3300, 800-722-3702 or 508-366-1356 (fax)

PagerPro
Wireless messaging software
Macintosh Plus or larger; System 6.0.2 or later (single user); System 7.0 (server).

PagerPro provides users with the ability to compose and dispatch messages to an alphanumeric pocket pager from any Macintosh computer or PC using Windows. It is available as a single-user product, a server version for System 7.0 environments and a development kit for quick and easy interfacing for any third-party application wishing to support pager messaging through System 7.0 and standard Apple Events. PagerPro uses any standard modem or network modem to send messages. It is shipped with built-in scripts for most industry paging standards. Users can create and store common messages, broadcast messages to groups, or even groups within groups. Message priority ranges from urgent to setting a specific date and time for transmission. A status window gives up-to-the-minute detail on all queued messages. Optional message logging is available to archive all messages that have been sent.
$199 retail; single user
$149 retail; single user Gold support
$112 retail; single user standard support
$399 retail; server
$399 retail; server Gold support
$299 retail; server standard support
Caravelle Networks Corp.; 301 Moodie Dr., Ste. 306; Nepean, Ontario, Canada K2H 9C4; 613-596-2802, 800-363-5292 or 613-596-9659 (fax)

Personal Maclan Connect
Provides Macintosh client support for Windows
Any Macintosh; IBM PC or compatible (386 or larger); 2 MB of RAM; Windows 3.1 or later; AppleTalk interface card.

Personal Maclan Connect provides Macintosh client support for Microsoft's Windows 3.1 operating system and brings the benefits of Macintosh System 7 personal file sharing directly to the PC desktop. Personal Maclan Connect allows for transparent cross-platform file sharing between Windows users and Macintosh users. As a background process, Personal Maclan Connect gives Windows users the ability to selectively share any local storage device with any Macintosh user. The PC's hard disks, floppy drives, CD-ROM and removable media are available to the Macintosh. The connected Macintosh computers may access any locally connected printer available to the Windows user. Personal Maclan works as a print server, directing Macintosh print jobs to shared printers like HP PaintJets, LaserWriters or HP LaserJets with a PostScript option. Macintosh users do not need to learn another complicated interface or add any additional software to access PC resources. All PC files and printers are accessed using the standard Macintosh "AppleShare" Chooser interface.
$199 retail; one user
$995 retail; 10 users
$1,995 retail; 30 users
Miramar Systems; 121 Gray Ave., Ste. 200B; Santa Barbara, CA 93101; 805-966-2432, 800-862-2526 or 805-965-1824 (fax)

PICT2Fax
Converts PICT files into fax files
Macintosh Plus or larger.

PICT2Fax is an application that can convert any Macintosh PICT file into a CCITT Group 3 1D, Group 3 2D or Group 4 fax file. It automatically creates fax file headers, including MIL-STD 1840 headers; conforms to MIL-R-28002A, FIPS 150, MIL-STD-1840B and CCITT Recommendations T.4 and T.6; and can automatically convert a set of files and process both bit order reversed and byte order reversed files. The dimensions of the fax file created from each PICT and the color threshold for conversion to black and white can be controlled.
$279 retail
GSC Associates, Inc.; 13254 Jefferson Ave.; Hawthorne, CA 90250; 310-675-2093 or 310-675-2159 (fax)

PixTex/EFS 3.5
Electronic filing software
Macintosh with 68020 processor or larger; 2 MB of RAM; hard disk drive; Ethernet card; DEC Pathworks for Macintosh or Apple's MacTCP; System 7.0 or later. Server requires DEC VAX (VMS), DEC RISC (Ultrix), IBM RS-6000 (AIX), HP 9000 (HPUX), SUN Sparc (Sun OS), or Sun (Solaris).

Excalibur/EFS Client for Macintosh enables personal computer users running MacOS System 7 to access the electronic filing functions of a Excalibur/EFS server on various workstation platforms. Using Digital's Pathworks for Macintosh or Apple's MacTCP, the Macintosh communicates in a client/server configuration to the host workstation via Ethernet. Excalibur/

EFS for Macintosh combines the standard Macintosh graphical user interface, a powerful fileroom metaphor and an optional database manager operating on the server workstation for electronic filing and retrieval of compound documents. Excalibur/EFS stores documents in the electronic equivalent of a physical file room. Users create file cabinets, drawers and folders to organize information just as they would in a physical file room with paper documents. The Excalibur/EFS Macintosh Client can be used to retrieve, display and print documents that are filed in the EFS fileroom.
$12,000 retail; single user
$51,000 retail; 10 users
$96,000 retail; 25 users
Excalibur Technologies Corp.; 9255 Towne Centre Dr., 9th Fl.; San Diego, CA 92121; 619-625-7900 or 619-625-7901 (fax)

Planet X
Client software package that delivers remote control of Macintosh computers from an X-Window workstation
Macintosh Plus or larger; 1 MB of RAM for black and white (2 MB for System 7); 2 MB of RAM for color (3 MB for System 7); System 6.0.5 or later; MacTCP (included); appropriate LocalTalk gateway or Ethernet board.

Planet X is an X Window System client for the Macintosh. It allows users to operate a Macintosh computer from any X-Windows System machine, such as a Sun, Digital, HP or IBM workstation, an X-terminal or another Macintosh running MacX. The X-Windows workstation displays exactly what is seen on the Macintosh screen. Using its own mouse and keyboard, the X window can operate a Macintosh and manipulate files within it. Users can cut and paste between two Macintosh computers or between a Macintosh and the X window. Planet X supports full color on both the Macintosh and X-Window machine.
$295 retail; user bundles and discounts available (call for a free 30-day demo copy)
InterCon Systems Corp.; 950 Herndon Pkwy., Ste. 420; Herndon, VA 22070; 703-709-5500, 800-468-7266 or 703-709-5555 (fax)

PocketCall
Terminal emulator and communications assistant
Newton MessagePad.

PocketCall uses the power and simplicity of Newton to bring the online world to a user's fingertips. PocketCall works with the external Newton modem, as well as with any Newton-compatible PCMCIA internal modem card. It allows users to respond to queries from host systems by simply handwriting text on the MessagePad's screen, or by popping up an on-screen keypad. Incoming information from the modem can be viewed on the Newton's screen or automatically saved into a Newton file. To speed up online sessions, PocketCall provides instant touch access to multiple sets of prestored words and phrases, allowing complete interaction with online information services without the need for direct text entry. The most innovative feature of PocketCall is its ability to accept add-in modules tailored for popular E-mail, database, corporate and consumer information systems. These PocketPacks provide a Newton user with complete automated control of communications sessions, including logging on and off, retrieving news, weather, sports and financial information, accessing airline schedules and online databases, uploading and downloading electronic mail, sending and receiving from Newton's In-Box and Out-Box, visiting special interest forums and much more. By simply checking options with the MessagePad's stylus, users can arrange an entire session to be run by Newton at a single touch. Multiple PocketPacks can be used simultaneously for automated sessions that include several services.
$149 retail
Ex Machina, Inc.; 11 E. 26th St., 16th Fl.; New York, NY 10010; 800-238-4738

■ **PortShare Lite**
Share fax modems and other serial devices over a network
Macintosh II or larger; System 6.0 or later; AppleTalk LAN.

PortShare lets users share fax modems and other serial devices over any AppleTalk LAN. Lite shares the built-in ports only, supports System 7 and ARA. An interrupt-driven extension controlled from within the Chooser, PortShare runs in the background, providing maximum performance. PortShare includes password protection for each shared port, arbitrates concurrent requests to the same port, indicates network activity and logs users activities for any or all shared ports. Network administrators can designate ports and peripherals available for sharing.
$49 retail
Stalker Software, Inc.; 15 Skylark Dr., #21; Larkspur, CA 94939; 415-927-1026 (phone/fax) or 800-262-4722

■ **PortShare Pro**
Share fax modems and other serial devices over a network
Macintosh II or larger; System 7.0 or later.

PortShare Pro lets users share fax modems and other serial devices over any AppleTalk LAN. It shares built-in ports and includes the ability to create virtual ports for CTB applications and the ability to redefine non-CTB compatible tools so they can be used without having to be attached to the external serial ports. PortShare Pro lets network administrators assign passwords and group names to any shared devices connected to one or more servers on a network. PortShare Pro is System 7 compatible and supports ARA.
$149 retail
Stalker Software, Inc.; 15 Skylark Dr., #21; Larkspur, CA 94939; 415-927-1026 (phone/fax) or 800-262-4722

PostIt
Enhances the ability to communicate with non-Macintosh computers
Macintosh Plus or larger; System 7.0 or later.

PostIt is a utility that will greatly enhance users' ability to communicate with non-Macintosh computers, and to integrate their Macintosh into other vendors' networks. PostIt removes the layers of complexity usually required to get text data onto a Macintosh from other computing environments. It is a system extension that monitors a particular folder on the hard drive for incoming text files. When a file is dropped into this folder (either manually dragged or deposited by any number of network or file transfer utilities), PostIt automatically reads the text from the file and publishes it using System 7's Publish and Subscribe functions. The published data is placed into a second folder, to which any application on the Macintosh can then subscribe. All activity occurs in the background without interfering with regular work.
$59.95 retail
Narwhal Software; 12 Louisa St.; St. Catharines, Ontario, Canada L2R 2J6; 905-272-9186 or 905-272-0413 (fax)

PowerPath
Enables PowerBook users to connect to Ethernet and Token Ring local area networks
Macintosh Plus or larger; AppleTalk V.57; EtherTalk 2.3 or later; TokenTalk 2.4 or later; System 6.0.4 or later.

Farallon's PowerPath software enables PowerBook users to easily and affordably connect to Ethernet and Token Ring local area networks. Packaged with two PhoneNET StarConnector LocalTalk adapters and cabling, PowerBook users can access all Ethernet network services, including file servers, mail servers and printers. Other features include easy installation (with a one-button installer and restart) and a control panel to provide a simple method for temporarily disabling PowerPath connections. PowerPath includes forwarding technology to improve performance by minimizing memory consumption and traffic overhead on an Ethernet host Macintosh.
$149 retail
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

PowerSecretary
Speech dictation system
Macintosh with 68040 processor, Macintosh AVs and PowerPC; 16 MB of RAM; hard disk drive with 25 MB of free space; 16-bit audio board for non-AV/PPC Macintosh.

PowerSecretary is a speech dictation system for the Macintosh. The large vocabulary speech technology enables users to dictate text at 45 words per minute using a natural speech. The system provides users with a preset customizable 120,000-word dictionary Random House Dictionary. The system is speaker adaptive in that the user is not required to train each word; instead the system learns how a specific user speaks based on the various individual's phonemes. The system supports an unlimited number of users and will initially be released in US English; future releases will be in French, German and Japanese.
$2,495 suggested retail
Articulate Systems, Inc.; 600 W. Cummings Park, Ste. 4500; Woburn, MA 01801; 617-935-5656, 800-443-7077 (sales info) or 617-935-0490 (fax)

ProLink
Apple II and Macintosh data transfer
Macintosh Plus or larger.

ProLink is a Macintosh application designed to transfer text files between an Apple II and a Macintosh in either direction. This is accomplished without the use of any complex communications program or cabling. A user places an Apple II 3.5-inch 800K disk directly into a Macintosh internal 800K or external 800K disk drive, clicks the name of the Apple II or Macintosh file to be transferred, selects the disk or folder to be copied to and clicks the Copy button. ProLink supports ProDOS 1.1.1, ProDOS 8 (1.2) and ProDOS 16 on an Apple II and both MFS and HFS on a Macintosh. This support includes reading files from and copying files to Apple II and Macintosh folders. ProLink will only transfer text-type files (Text, ASCII, DIF and SYLK) between an Apple II and a Macintosh. The program will not transfer any other type of file including system, application/program, binary, data, document, etc.
$59.95 retail
Alsoft, Inc.; PO Box 927; Spring, TX 77383; 713-353-4090 or 713-353-9868 (fax)

RadioMail Remote
Two-way wireless messaging service
Macintosh PowerBook or Duo; System 7.0 or later.

RadioMail Two-Way Wireless Messaging Service provides reliable wireless message delivery for Macintosh PowerBooks or Duos. With RadioMail, information is delivered to users instantly, finding them as they travel around town or around the country. Users never have to stop and connect to a telephone line or logon. Unlike one-way paging services, RadioMail is two-way, allowing electronic messages to be sent and received, fax messages delivered and news information retrieved — in airports, taxi cabs, hotel rooms — anywhere, anytime, over the air. The RadioMail Two-Way Wireless Messaging Service supports message exchange between a PowerBook or Duo and users on the Internet, AppleLink, AT&T Mail, America Online, CompuServe, Easynet, Prodigy, MCI Mail, Sprint Mail, PSILink, UUCP, WorldLink, cc:Mail and other public mail and corporate LAN mail systems.
$49 retail; plus service fees
RadioMail Corp.; 2600 Campus Drive; San Mateo, CA 94403; 415-286-7800, 800-597-6245 or 415-286-7805 (fax)

■ **ScanShare**
Allows users to share scanners
Macintosh II or larger; System 6.0.5 or later; Apple Scanner Interface-compatible scanner.

ScanShare enables users to share expensive scanners over any AppleTalk-compatible local area network. ScanShare works with any scanner that supports the Apple Scanner Interface and supports connections across multiple AppleTalk zones at transfer rates up to 10 MB/sec, depending on network media and traffic. With an interrupt-driven extension controlled from within the Chooser, ScanShare runs in the background and includes password protection, arbitrates concurrent requests to the same device and indicates network activity.
$89 retail
Stalker Software, Inc.; 15 Skylark Dr., #21; Larkspur, CA 94939; 415-927-1026 (phone/fax) or 800-262-4722

SoftWindows 1.0
Run Microsoft Windows applications on Power Macintosh computers
Power Macintosh; 16 MB of RAM; 250 MB hard disk drive.

These Products Available Through Bottom Line Distribution
1-800-347-1923

SoftWindows lets a Power Macintosh run Microsoft Windows and MS-DOS applications at entry-level 386 and 486 speeds. SoftWindows adds a fast, networkable PC to a Power Macintosh, so users can run any standard mode software they need. Windows 3.1, MS-DOS 6.21 and Novell NetWare support are included and ready to use. Users can run multiple Windows programs at once; print, save, copy and paste in PC software; and send E-mail or use a database over the network. Because it's designed from the ground up to take advantage of the PowerPC RISC chip, SoftWindows can run Windows software as fast as a 486SX PC. SoftWindows shares the same resources as Macintosh software; both have access to disks, the mouse, CD-ROMs, the screen and even networks.
$499 retail
Insignia Solutions Inc.; 1300 Charleston Rd.; Mountain View, CA 94043; 415-694-7600, 800-848-7677 or 415-694-3705 (fax)

■ **SoundMemo**
Digital dictation/playback system
Any Macintosh that is sound input capable; System 7.0 or later; hard disk drive.

SoundMemo is a digital dictation/playback system for the Macintosh. With SoundMemo, users can dictate and play back even while working within other programs. It has definable keyboard shortcuts for easy access to the program's functions. They are user definable, so there won't be a conflict with the keyboard commands in other applications. SoundMemo is voice activated and detects a user-definable amount of silence and will stop recording automatically. These periods of silence are remembered and are accessible during playback, allowing users to break up their dictation into natural segments just by adding controlled pauses while dictating.
$79.95 retail
Imagemakers Software Systems Inc.; 60 Hawkridge Ave.; Markham, Ontario, Canada L3P 1V9; 905-472-0151, 800-203-6366 or 905-294-0040 (fax)

■ **StarWorks-12M, StarWorks-25M and StarWorks-50M**
Digtial video networking software
Macintosh Plus or larger (68020 or larger recommended); 4 MB of RAM; System 7.0 or later.

StarWorks digital video networking software allows up to 40 Macintosh and PC desktop computer users to simultaneously access multimedia data (digital motion video, audio, images, animation) over local and wide area networks. StarWorks software works with popular video compression formats, including Video for Windows, Indeo, TrueMotion and PLV/RTV. StarWorks runs in Ethernet, Token-Ring and FDDI network environments and is AppleShare, NetWare, LAN Manager, NFS and Banyan VINES compatible.
$8,750 retail; software license for 12 MB/ps video streaming capacity
$14,995 retail; software license for 25 MB/ps video streaming capacity
$24,995 retail; software license for 50 MB/ps video streaming capacity
Starlight Networks, Inc.; 325 E. Middlefield Rd.; Mountain View, CA 94043; 415-967-2774 or 415-967-0686 (fax)

SyncCATV
Point-to-multipoint data broadcasting over cable TV networks
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.5 or later.

SyncCATV utilizes the broadband technology of cable television networks to simultaneously deliver Macintosh data to multiple locations at speeds up to 256 Kbps (about 100 MB per hour). Both the sending Mac and the receiving Macs can be connected to LANs, giving all authorized users on the LAN access to SyncCATV. Users can set SyncCATV to transmit data at precise times, as well as select an option enabling a call-back message to the transmission site if any error in file transmission occurs.
$3,295 to $5,295 retail
Engage Communication, Inc.; 9053 Soquel Dr.; Aptos, CA 95003; 408-688-1021 or 408-688-1421 (fax)

SyncSatellite And SyncSatellite EN
Macintosh communications via satellite
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.5 or later.

SyncSatellite opens up new possibilities for communications and distribution of information — possibilities not feasible with land-based systems. It uses commercially available satellite communications to provide point to multipoint delivery of Macintosh files or folders. With SyncSatellite, data can be transferred up to 512 Kbits/sec (50 times faster than 9600 baud) to multiple locations at the same time. SyncSatellite comes with a LocalTalk interface, making it network shareable and easy to use, sending files at data rates up to 128 Kbps. SyncSatellite EN works on an EtherTalk network for speeds over 500 Kbps.
$2,995 to $4,995 retail
Engage Communication, Inc.; 9053 Soquel Dr.; Aptos, CA 95003; 408-688-1021 or 408-688-1421 (fax)

SyncSatellite AS
Macintosh data broadcasting via satellite
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.5 or later.

SyncSatellite AS simultaneously transmits files to multiple locations — without incurring any additional charges for satellite time — at speeds up to 64 Kbps. SyncSatellite AS is designed to take advantage of audio subcarrier channels available within standard satellite TV broadcasts. This enables users to take advantage of free, simultaneous data transmission. Users can set SyncSatellite AS to transmit data at precise times, as well as select an option enabling a call-back message to the transmission site if any error in file transmission occurs. Both the sending Macintosh and the receiving Macs can be connected to LANs, giving all authorized users on the LAN access to SyncSatellite AS. SyncSatellite AS is available for both LocalTalk and Ethernet.
$3,295 to $5,295 retail
Engage Communication, Inc.; 9053 Soquel Dr.; Aptos, CA 95003; 408-688-1021 or 408-688-1421 (fax)

TCPack
Connection tool that allows simultaneous TCP/IP connections
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.

TCPack is a connection tool that allows simultaneous TCP/IP connections using Apple's MacTCP driver and the standard access interfaces of the Communications Toolbox (CTB). TCPack supports FTP server functions, running as a background task, TELNET protocol and negotiation parameters and the Domain Name Resolver (DNR) functions. TCPack FTP implementation supports: DARPA standard TELNET protocol; directory management functions (create, delete); file/directory list functions in user or application-oriented formats; send/receive file transfers (binary, ASCII or MacBinary); and simultaneous background FTP servers.
$88 retail
Sysnet Corp.; 5301 Wisconsin Ave. NW, Ste. 640; Washington, DC 20015; 202-686-5515, 800-683-5515 or 202-686-6992 (fax)

TeamLinks Office For Macintosh
Integrated set of desktop applications and networked-based services to access enterprise information and resources
Macintosh Plus or larger; 4 MB of RAM; 40 MB hard disk drive; 3.5-inch SD disk drive; System 7.1 or later.

TeamLinks Office for Macintosh offers an integrated set of desktop applications and network-based services to Macintosh users who wish to access enterprise information and resources. It delivers client/server technology to office workers whose desktops often will be connected to their corporate wide area network. TeamLinks uses Digital's groupware-oriented applications for enhancing team computing. These applications provide electronic mail, document routing (i.e., workflow), scheduling and conferencing. TeamLinks Mail for Macintosh allows Macintosh users to exchange messages and attached files with other PC, video terminal, Macintosh and workstation users across an enterprise-wide network. TeamLinks Routing for Macintosh addresses the need of routing forms and information to predetermined destinations within an organization and collecting approvals from various individuals within the organization. TeamLinks Scheduling allows the user to schedule meetings and resources as well as maintain a personal calendar of events and a to-do list. Conferencing for Macintosh permits Macintosh clients to access the DEC Notes server computer conferencing software designed to provide users with the capability of creating and accessing enterprise-wide, online conferences or meetings.
$299 retail
Digital Equipment Corp.; 146 Main St.; Maynard, MA 01754; 508-493-7161, 800-344-4825 or 508-493-8780 (fax)

TeamLinks Routing For Macintosh
Routes forms and information to predetermined destinations and collects approvals
Macintosh Plus or larger; 1 MB of RAM; 40 MB hard disk drive; 3.5-inch SD disk drive; System 7.1 or later.

TeamLinks Routing for Macintosh addresses the need of routing forms and information to predetermined destinations within an organization and collecting approvals from various individuals within the organization. This routing facility allows users to design package routing templates, automating many business workflow processes. TeamLinks Routing for Macintosh can transfer documents, files and/or forms to one or more individuals and give them the opportunity to review all of the elements directed at them, as well as electronically "sign" the packet of information before passing it on to the next recipient. Because the routing of information is controlled electronically, TeamLinks Routing offers the added benefit of tracking. The initiator and any other authorized recipient can easily determine where the packaged of information is in the approval cycle.
$85 retail
Digital Equipment Corp.; 146 Main St.; Maynard, MA 01754; 508-493-7161, 800-344-4825 or 508-493-8780 (fax)

Timbuktu Pro
Remote control and file transfer for networks
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later.

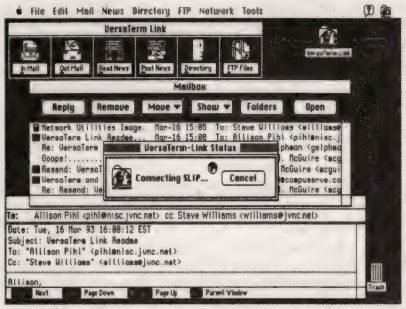
Farallon's Timbuktu Pro for Macintosh is remote control and file transfer for networks — the cross-platform workgroup solution that lets Macintosh and Windows PC users work together seamlessly. Users can easily control remote Macs and PCs, share screens and exchange files across AppleTalk or TCP/IP networks, including the Internet; and share screens in full 24-bit color with multiple Timbuktu Pro and Timbuktu for Windows users to work together on projects, provide training, troubleshoot problems for remote users, even give a presentation, all without leaving their desk. Files can be transferred quickly between Macs and PCs with a click of the mouse or with the simple "drag-and-drop" Timbuktu Sender icon; there's no need to find and mount a file server volume. System 7 users can send files to multiple AppleTalk-based and TCP/IP-based users in one step. The Timbuktu Pro Administrator's Toolkit, an optional accessory, features powerful site administration capabilities for easy management of Timbuktu across a LAN.
$199 retail; single pack
$299 retail; twin pack
$999 retail; 10 pack
$1,999 retail; 30 pack
$5,500 retail; 100 pack (includes Timbuktu Pro Administrator's Toolkit)
$699 retail; Timbuktu Pro Administrator's Toolkit Volume licensing available
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

Timbuktu/Remote 3.0
Allows remote operation of Macintoshes over modem links, ISDN links, Digital PBX data lines, etc.
Macintosh Plus or larger.

Timbuktu/Remote is a long-distance version of Farallon's Timbuktu screen-sharing application for Macintosh computers. Just as Timbuktu allows Mac users to view and operate each others' computers over a network, Timbuktu/Remote allows the same activities over modem links, ISDN links, Digital PBX data lines, serial cables and other links at rates up to 57,600 bps.

Timbuktu/Remote also includes a file transfer utility. Users must have Timbuktu/Remote at each end of the communications link. A 9,600-baud modem is recommended for maximum performance. Timbuktu/Remote 3.0 supports full-color screen sharing and is useful for telecommunicating, remote training and user support and remote collaboration on documents and graphics.
$195 retail
$295 retail; twin pack
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

VersaTilities 1.1
Networking utilities
Macintosh Plus or larger; LocalTalk, Ethernet or serial connection.



VersaTilities is a suite of essential network connections with special emphasis on solutions for TCP/IP environments. VersaTerm-Link, the cornerstone application, provides a smoothly integrated graphical interface for accessing mail, news, directory, Telnet terminal and file transfer functions. The TCP/IP client suite focuses on exchanging data with the exploding Internet community over Ethernet, AppleTalk and serial (SLIP) connections. The following protocols are used: Mail (SMTP and POP3), News (Network News Terminal Protocol [NNTP]) and the File Transfer Protocol (FTP) is used to move files across a TCP/IP network (or Internet). The Telnet Protocol is used for limited remote logins and is not intended as a replacement for a full-fledged terminal program, like VersaTerm-Pro or VersaTerm. Now it is possible for any Macintosh user, anywhere, to have Internet access at their desktop. This is accomplished using a modem or a direct serial connection into an appropriate Serial Line IP (SLIP) server and the software provided with VersaTilities. VersaTilities, running on a PowerBook, provides a comprehensive solution for remotely accessing the Internet and carrying on a users' important communication functions from any location at any time.
$145 retail
Synergy Software; 2457 Perkiomen Ave.; Reading, PA 19606; 610-779-0522 or 610-370-0548 (fax)

WaterMark Voice Mail
Automatic voice messaging system
Macintosh Plus or larger; System 7.0 or later; modem with voice capability.

WaterMark Voice Mail turns a Macintosh computer into a complete voice mail and message processing center. Callers may leave recorded messages and, when using a touch-tone telephone, follow easy-to-understand verbal prompts to enter a return telephone number and best time for a call back. Users may access and listen to recorded messages directly from the Macintosh by double-clicking on the message icon, or remotely by using a touch-tone phone. After listening to a message, users can record a response on the phone that the Macintosh will automatically send back to the caller's number at any user-designated time. High Tide's Insta-Return feature is ideal for personal use or sales-driven answering services that need to streamline customer or client support. Additional features include a Calling Log that records all incoming and outgoing calls, a time-entry system for scheduling callbacks, a hold feature to enable personal contact during outgoing calls and support for non-touch-tone telephone users, automatic retry on busy lines and the ability to select and save, archive or discard message files. The Pro version of WaterMark Voice Mail provides new features, including multiple mailboxes, multiple outgoing messages, nested menus, fully customizable, password security, on-screen message manager, full fax support, callers can leave multiple messages on one call and more.
Call for pricing
High Tide Software; 2112A McKinley Ave.; Berkeley, CA 94703; 510-704-9927 or 510-704-9933 (fax)

XPort
Turns the Macintosh into an X Window System Client
Macintosh Plus or larger; 2 MB of RAM; System 5.0 or later.

XPort allows Macintosh applications to be run from any workstation or X terminal. An XPort sessions begins with a user logging onto the Macintosh from the X server via Telnet. The Macintosh desktop is displayed on the X server in a standard X window, and control of the Macintosh is transferred to the X server. MacTCP is required, and allows the XPort Macintosh to communicate with any X server that uses TCP/IP as the network protocol. Both Ethernet and AppleTalk networks are supported via MacTCP. XPort features include: full remote operation of the Macintosh for all applications; user ID and password logon protection; the ability to cut and paste text between X applications and Macintosh applications; compatibility with all releases of the X Windows System software; and compatibility with all of the common window managers (Open Windows, DEC Windows, OSF/MOTIF, etc.).
$295 retail
Perfect Products; 1015 Creighton Rd.; Papillion, NE 68128; 402-339-5507

Desktop Presentations

1stVue
Form completion and multiuser database
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.

1stVue II provides the tools required for users to set up applications via forms and files. 1stVue is a form completion and multiuser database that includes a unique graphic forms interface with multimedia capability. It is designed for use with 1stBase-II, a relational database and report generator. By using 1stVue II with optional DataModeler and 1stBBS-II, users can create a form with 1stVue II and send it to customers with 1stBBS-II. Customers then fill out the form with DataModeler and send it back with the files attached using 1stBBS-II. Clairvoyant Posting gives users the ability to simply open the form with 1stVue and customers' data is automatically added to the database. Customers view their orders with 1stBBS-II's database lookup feature. 1stVue II features patented Fuzzy Find over weighted fields and MacroAccess Command icon system automation. 1stVue II supports 12 different kinds of data filters, including documents, sounds, pictures and QuickTime movies. The 1stVue II database is automatically generated based on the form's attributes. 1stVue II's numerous display and entry filters provide users with an efficient way of entering and displaying all of their business information. It is System 7 compatible.
$179 retail
$49 retail; Run-time Client Version
1stDESK Systems, Inc.; 55-57 Cape Rd.; Mendon, MA 01756; 800-522-2286 or 508-634-0882 (fax)

Action! 1.0 For Macintosh
On-screen animation presentations with motion, sound and QuickTime
Macintosh II or larger; 4 MB of RAM; color monitor; System 7.0 or later.

Designed for business users rather than multimedia professionals, this easy-to-use tool helps users create dynamic presentations and demos complete with in-scene animation, motion, sound, text and graphics. It features 120 professional presentation templates, scene interactivity via buttons, 39 preset scene transitions and a Scene Sorter. Action! supports 32-bit color and System 7. Users can control timing and flow with a simple timeline, instant links and buttons and a VCR-like control panel.
$295 retail
Macromedia; 600 Townsend St.; San Francisco, CA 94103; 415-252-2000 or 415-626-0554 (fax)

Aldus Persuasion 3.0
Desktop presentations
Macintosh Color Classic or larger; 4 MB of RAM; hard disk drive.

Aldus Persuasion provides a complete set of tools to produce 35mm slides and overhead presentations. It includes tools for outlining, word processing, drawing, charting and formatting and can produce output for black and white or color presentations, a well as speaker notes and audience handouts. Persuasion streamlines the entire presentation-making process. Presenters simply choose a design — either one of the predesigned slide or overhead templates that come with the product, or one of their own creation — type their ideas into an outline, and Persuasion automatically creates each element of the presentation.
$495 retail
Aldus Corp.; 411 First Ave. S, Ste. 200; Seattle, WA 98104; 206-622-5500, 800-685-6636 or 206-343-4248 (fax)

Astound
Combines professional slides and handouts with animation, sound and QuickTime
Macintosh Plus or larger (Macintosh with 68020 CPU or faster recommended); 2 MB of RAM (4 MB recommended); hard disk drive; System 6.0.8 or later (System 7 recommended).

Astound blends the best of static presentation products with the power of multimedia. Using the familiar slide and outline approach, Astound is a snap for users of existing presentation products. PowerPoint or Persuasion files import as live, editable documents. Advanced capabilities for slides, overheads, notes and handouts include multicolor gradients, drag and drop libraries, character/line spacing and more. Charting is built in, with dozens of chart types, including pictographs. For multimedia presentations, just a few mouse clicks provide exciting text animations, moving characters, QuickTime movies, sound effects, music and even voice-overs, creating dazzling productions previously possible only with complicated authoring tools. Charts can tumble into place, assembling before a user's eyes. Astound requires no programming or scripting; all effects are accessed through menus and push buttons. Interactivity can be added to any object or slide. Playback features include runtime players for Macintosh and Windows, and on-screen notation pens and highlighters.
$399.99 retail
Gold Disk; 3350 Scott Blvd., Bldg. 14; Santa Clara, CA 95054; 408-982-0200, 800-465-3375 or 408-982-0298 (fax)

Audioshop
Digital audio editor and CD-ROM controller
Macintosh with 68030 or larger processor; 4 MB of RAM; hard disk drive; Sound Manager 3.0; QuickTime 1.6; System 7.0 or later; CD-ROM drive is optional.

Audioshop is a digital audio editor and CD-ROM controller for the Macintosh. With its unique "CD-Player" interface, Audioshop sequences, record and plays both Macintosh sampled sounds and compact audio tracks direct from disk, allowing file sizes limited only by hard disk space. With Apple's Sound Manager 3.0, it gives 16-bit, CD-quality audio on AV Macintoshes. It is also compatible with NuBus cards that emulate the AVs. Audioshop is the only Macintosh product in which CD-ROM audio and digital audio are integrated into the same playlist. Using a QuickTime

These Products Available Through Bottom Line Distribution
1-800-347-1923

compatible CD-ROM drive, Audioshop allows conversion of standard CD-audio tracks to Macintosh audio. Editing a digital audio track displays the track's waveform, which can be cut and pasted like text in a word processor. Special effect tools can modify any part of the wave form. New tracks are created with the built-in Mac microphones or with other input devices like MacRecorder. Audioshop can load and save digital audio tracks in a variety of popular formats. Audioshop is Power Macintosh and AV compatible.
$149.95 retail
Opcode Systems, Inc.; 3950 Fabian Way, Ste. 100; Palo Alto, CA 94303; 415-856-3333 or 415-856-3332 (fax)

Avid VideoShop 2.0
Digital video editing
Color Macintosh; 4 MB of RAM; 40 MB of free hard disk space; 24-bit monitor recommended; QuickTime-compatible digitizer; System 7.0 or later.

VideoShop is a leading QuickTime editor for business communicators, educators and graphic artists who wish to create digital movies and videotapes on Macintosh computers. VideoShop is a powerful story-boarding and concept development tool to complement professional editing equipment, such as Avid's Media Composer line of digital nonlinear editing systems. Version 2.0 includes new features, such as more than 200 special effects, layering and compositing capabilities, alpha channel support, anti-aliased titling, CD-quality audio, audio mixing and support for third-party full-screen video compression boards. Users can edit with the same cut, copy and paste commands used in word processors and provides a fully non-destructive and powerful editing model, giving users accuracy to the single frame. VideoShop automatically recognizes and converts PICT, PICS, Photo CD, AIFF, TEXT files and Audio CD files into QuickTime format.
$499 retail
Avid Technology, Inc.; Metropolitan Technology Park; One Park West; Tewksbury, MA 01876; 508-640-6789, 800-949-2843 or 508-640-1366 (fax)

CA-Cricket Presents III
Presentation graphics
Macintosh Plus or larger; 2.5 MB of RAM; hard disk drive; System 6.0.7 or later.

CA-Cricket Presents III is an integrated presentation-media program that provides all of the tools needed to create and deliver professional presentations. Presentations can include frames, speaker's notes, audience handouts and display-quality graphics, as well as sound and QuickTime movies. CA-Cricket Presents III builds on a familiar frame-based metaphor. The program has a complete palette of tools to create graphic objects, text, graphs and tables. A comprehensive spelling checker and thesaurus round out the program's advanced text handling capabilities. Import options include PICT, EPSF, MacPaint, Scrapbook and data for graphs and tables in ASCII and SYLK formats. Export options include PICT and Scrapbook formats. Users can import time-based data, such as QuickTime movies and sound files to add exciting multimedia elements to presentations. Users can import QuickTime movies across frames for editing and annotating, then export edited presentations as QuickTime files or self-running movies.
$129 retail
Computer Associates International, Inc.; One Computer Associates Plaza; Islandia, NY 11788; 516-342-5224 or 800-225-5224

CameraMan 2.0
Screen movie capture utility
Macintosh II or larger; 2 MB of RAM (4 MB recommended); System 7.0 or later; QuickTime requires QuickTime 1.5 or later (included); 32-bit QuickDraw 1.2 or later (built into System 7).

CameraMan is a screen movie capture utility that records everything taking place on the screen into a standard movie file, in real time. Uses can play this movie back using CameraMan's Movie Play (included) or inside their favorite multimedia software. CameraMan supports the standard Macintosh animation formats, QuickTime and PICS. The screen movies can be used in any multimedia or presentation package, as well as a growing number of products, such as word processors, that support the playback of QuickTime movies. CameraMan can also be used as a regular PICT screen capture utility. Key features of CameraMan include high-speed recording so that animations play back smoothly; live voice-annotation; real time voice-overs; titling, which allows other movies or PICT files to be inserted into QuickTime movies for dynamic titles; audio clip sequencing, which allows accurate graphical positioning of multiple soundtracks with respect to the QuickTime movie; and save options, allowing movies to be saved on a user-specified disk volume.
$149 retail
Motion Works USA; 524 Second St.; San Francisco, CA 94107; 415-541-9333, 800-800-8476 or 415-541-0555 (fax)

ColorUp
Add dazzling, compelling color to presentations and reports
Macintosh LC or larger; 2 MB of RAM; hard disk drive (2 MB for Palette Chooser, 10 MB for Explorer);13-inch or larger color monitor with 256 color capability; System 6.0 or later.

ColorUp is a software utility that can improve the color quality of presentation visuals and handouts. Users choose from a library of hundreds of predesigned, professionally-coordinated color schemes. It's like having the color expertise of the most accomplished graphic designers right at a user's fingertips. Users customize color schemes and even select colors from the PANTONE MATCHING SYSTEM. The color schemes can be exported directly into a variety of popular business graphic and presentation software packages. In addition, ColorUp includes an interactive encyclopedia of color. It is now easy to learn about the science of color, color harmony, color reproduction and how to effectively use color in business presentations.
$99.95 retail
Pantone, Inc.; 590 Commerce Blvd.; Carlstadt, NJ 07072; 201-935-5500, 800-222-1149 or 201-896-0242 (fax)

DeltaGraph Pro 3.5
Charting and graphing program
Macintosh with 68020 or 68030 processor; 3 MB of RAM; hard disk drive; System 6.0.2 or later.

DeltaGraph Pro 3.5 is the newest version of DeltaPoint's charting and graphing program. It features more than 60 distinct business, scientific and technical charts and graphs, including pictographs, histograms, open/high/low/close, xyz contour, bubble, ternary, spider, polar, timeline and scatter plots. With the extensive formatting options available — including curve fitting, error bars, 360 degree 3-D chart rotation, depth and more — hundreds of chart styles are possible. DeltaGraph is also an effective document and presentation management system, providing smart page layouts, an outliner and new multiview design. DeltaGraph also includes AppleScript support, a chart advisor system, custom colors, Pantone ColorUP support, a new command bar with navigation buttons to common user activities and multiple document support, libraries of clip art, preformatted chart templates, predesigned backgrounds and page layouts. DeltaGraph Pro has extensive import, export and data linking capabilities. Version 3.5 adds six quality control charts, network licensing support, interactive help and support for several new Macintosh technologies, such as inter-application drag and drop and Apple Mail.
$195 retail
DeltaPoint, Inc.; 2 Harris Court, Ste. B-1; Monterey, CA 93940; 408-648-4000, 800-446-6955 or 408-648-4020 (fax)

Fast Pitch Pro
Converts any HyperCard stack into a presentation slide show
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; HyperCard 2.1, 2.2 or Player; System 6.0.5 or later.

Fast Pitch Pro is a HyperCard utility for converting any HyperCard stack into a presentation slide show. No scripting is needed. It is a very inexpensive productivity tool for education and business users to make quick daily presentations or courseware that can include multimedia elements. Fast Pitch presentation slide shows can include visual effects, text, sound, color pictures and QuickTime movies. When running a show, the presenter has complete mouse click control to jump back or ahead or to stop the show. Selected slides can be printed on overhead transparencies, as audience handouts or with presenter notes. A run-time option allows completed presentations to be distributed freely. The Pro Videodisc and AudioCD Plug-Ins are separate products that integrate videodisc and audio CD media with Fast Pitch presentations. Users simply copy the plug-ins to Pro's folder.
$79.95 retail; Fast Pitch Pro
$59.95 retail; Pro Videodisc Plug-In
$59.95 retail; Pro Audio CD Plug-In
$169 retail; Pro Pack Bundle
Education site license discounts available
Objectic Systems, Inc.; PO Box 161; Carmel, IN 46032; 317-898-4017 or 800-859-9543

FreePan 1.1
FreeHand utility extension; allows users to quickly load multiple numbers of Pantone process or spot colors with a single pass
Macintosh Plus or larger (Macintosh LC II or larger recommended); 4 MB of RAM recommended; hard disk drive; Aldus FreeHand 3.0 or later; System 6.0 or later.

FreePan is designed for use by graphic artists, advertising agencies, production houses, printers or anyone using or incorporating Aldus FreeHand-produced work within their job. FreePan is a necessity for any user of FreeHand and its Pantone Color Library. FreePan allows users to quickly load from several color matching system libraries. These libraries currently include Pantone, Trumatch, Toyo, Focaltone and Color Curve. FreePan allows loading a multiple number of Pantone process or spot colors in a single pass. In two passes, the entire library of Pantone process colors and Pantone spot colors can be loaded, allowing two of the same named colors (one spot and one process) to be loaded — an impossibility for FreeHand. This allows productivity to increase upwards to more than several hundred percent based on the time to load the colors versus the production of the job. Anyone loading more than one Pantone color or needs access to other color matching libraries will immediately see why they need FreePan.
$49.99 retail; FreePan with Pantone
$49.99 retail; each additional library
$29.99 retail; each additional library with FreePan purchase
ProSoft-Mein Corp.; 1490 S. Vineyard Ave., Ste. C; Ontario, CA 91761; 909-930-5291, 800-377-6738 or 909-930-5291 (fax)

GEOvista
Geographic presentation system
Macintosh Plus or larger; System 5.0 or later.

GEOvista is a geographic presentation system that displays data on high-quality maps. Information can be imported from applications, such as databases and spreadsheets, or entered directly from the keyboard. Areas of the map are shaded to represent data ranges selected by a user. The map can be transferred to draw and paint applications to take advantage of special effects. The product is designed to allow corporate users to conveniently prepare high-quality presentation graphics for slides, overheads or illustrations. It is an ideal tool to concisely summarize and portray corporate information. Included with GEOvista are 52 high-quality template maps, one for each of the 50 states subdivided by county and two maps of the U.S. subdivided by state. World maps are available for an additional cost.
$129 retail
ALL Systems Design, Inc.; 73 Lexington St.; Newton, MA 02166; 617-630-0145, 800-835-3031 or 617-630-0116 (fax)

Graphics Express
Provides an interface from Macintosh applications to remote slide services
Macintosh 512KE or larger.

Graphics Express is a presentation program that provides an easy-to-use interface from Macintosh applications to remote slide services. Packaged as a Chooser-level driver, it allows a user to order slides, color hard copy and other products, as easily as printing to a local printer. Graphics Express operates with most presentation and drawing applications. Graphics Express is fully-integrated system software, operating completely from the application during printing. It is not necessary to save a presentation in a special format and execute a separate file transfer program.

$169 retail
GSC Associates, Inc.; 13254 Jefferson Ave.; Hawthorne, CA 90250; 310-675-2093 or 310-675-2159 (fax)

ImageBoss Creation Software
Allows the creation and editing of ImageBoss Presentation Software stack and presentation files
Macintosh II, Performa, LC, PowerBook or Quadra; 8 MB of RAM; hard disk drive.

ImageBoss Creation Software is a peripheral product to the ImageBoss Presentation Software that allows the creation and editing of ImageBoss stack and presentation files on any Macintosh II family of computers. The look and feel is identical to the ImageBoss Presentation Software, but the Creation Software does not have display ability. Its intended use is to expand presentation production capability for customers. A standard Macintosh interface makes the creation and arrangement of presentations fast and easy. The stack editor, a graphic representation of the stack, allows users to click and drag slides to the desired display order. The attribute editor gives users several choices of display characteristics for individual slides. The archive utility lets users save entire presentations as one file for easy transfer to the ImageBoss workstation.
$999 retail
RGB Technology, Inc.; 11440 Isaac Newton Sq., Ste. 200; Reston, VA 22090; 703-834-1500 or 703-834-1506 (fax)

InfoLynx
For authoring button-activated, interactive desktop presentations and courseware, as well as automatic slide shows
Macintosh 512KE or larger; 2 MB of RAM for color.

InfoLynx provides for fast and easy building of interactive presentations. There is no scripting or programming. Like desktop publishing, elements are positioned on pages as screens. Point-and-click ease of use allows authors to quickly combine graphics, scanned photos, text and sound resources into button-activated product and service presentations or courseware. Linking buttons and pages is fast and easy via a spreadsheet-style page/link list. InfoLynx generates interactive presentation files with full-screen, brilliant color (8 or 24 bit) or black and white displays that are automatically saved as stand-alone, self-launching files and may be freely distributed, allowing any Macintosh user to display them without needing to own the InfoLynx application.
$295 retail
InfoTouch Marketing Corp.; 445 Hawley Ave.; Syracuse, NY 13203; 315-426-0515 or 315-426-1890 (fax)

Information Rainbow
Tool to create multimedia touch-screen information systems
Macintosh with 68030 or larger processor; 6 MB of RAM; 10 MB of free hard disk space; System 7.1 or later.

Information Rainbow is a software tool that allows anyone to create multimedia touch-screen information systems without the time and expense of computer programming. By placing pictures, music, voice, video clips and documents into a series of folders on the computer's disk, an information system can be created overnight. This material may be created and modified using application programs familiar to corporate marketing departments, graphic studios, exhibit companies and advertising agencies. New content may be inserted at any time, even over telephone lines, ensuring that the information dispensed is as current as it needs to be. Information Rainbow systems can be utilized for a variety of applications within many businesses. The computer, touch-screen color monitor and laser printer are typically housed in a kiosk enclosure designed to complement the surrounding decor. A telephone handset is mounted on the outside of the kiosk to support Information Rainbow's telephone dialing capabilities. Because custom computer programming is not required, Information Rainbow systems are surprisingly affordable. Built-in advertising and sponsor recognition capabilities allow low monthly lease payments to be offset with a minimum of effort.
$2,500 retail
First Wave, Inc.; 9449 N. 90th St., Ste. 213; Scottsdale, AZ 85258; 602-860-4300 or 602-860-2501 (fax)

Interactive Multimedia — Getting Started
Hands-on guide to creating interactive multimedia
Macintosh LC or larger; 4 MB of RAM; System 7.0 or later; CD-ROM drive.

Interactive Multimedia — Getting Started is a CD-ROM hands-on guide to creating interactive multimedia. If users have ever wanted to try their hand at creating their own multimedia project, this CD is for them. It comes complete with a working tryout version of Special Delivery, interactive tutorials, examples of successful multimedia projects and loads of clipmedia, including photos, backgrounds, movies and music. Also included are tryouts and demos of the most popular tools for multimedia database management, image editing, 3-D rendering, painting, screen capture, video editing and video special effects. There is no need for scripting or programming — novices and professionals alike can experiment with the power of interactive multimedia for presentations, training education and kiosks. The tryout version of Special Delivery actually lets users create and save multiple projects limited to three slides per project.
$24.95 retail
Interactive Media Corp.; PO Box 0089; Los Altos, CA 94023; 415-948-0745

Interactive Video Design Toolkit
Allows users to create, design and organize multimedia programs
Macintosh Classic or larger; 1 MB of RAM; hard disk drive.

Interactive Video Design (IVD) Toolkit is a unique product that helps free users' creativity and automate the design process by linking flowcharts to program data. IVD Toolkit takes full advantage of the Macintosh computer's high-quality graphics, simple user interface and powerful software base. Yet IVD Toolkit lets users design for any hardware delivery system and any authoring system. Built upon Filevision, IVD Toolkit includes a series of tested templates for flowchart design, storyboard formats and reports. The templates and forms have been developed and tested on actual interactive video projects and should serve most design needs. However, all templates can be fully modified and new ones easily created. Unlike database or text-based programs, IVD Toolkit creates an actual link between a user's flowchart and script or storyboard. By clicking on any flowchart element, users can immediately be working on its storyboard page. Users can even create an interactive storyboard that allows branching between storyboard sketches. IVD Toolkit can be used for designing any type of multimedia program, from complex training systems to consumer information displays.
$395 retail
Electronic Vision, Inc.; 5 Depot St.; Athens, OH 45701; 614-592-2433 or 614-592-2650 (fax)

Laptop Sales System
Custom multimedia presentation
Macintosh PowerBook or Duo; 4 MB of RAM; hard disk drive.

The Laptop Sales System is a custom multimedia presentation with sound, graphics, animation and QuickTime video that is stored on and presented from a PowerBook or Duo. The Laptop Sales System includes multimedia software customized to carry a company's message. Features include a Company History, Electronic Product/Service Catalog, Talking Organization Chart, Testimonials, Visual What-If?, Scenarios and user-customizable templates for last minute changes. The Laptop Sales System is ideal for outbound sales forces with high ticket or mission-critical sales responsibilities because it draws great attention and helps to speed the buying cycle.
$30,000 to $80,000 retail; price depends on how much original material must be created (call for free sample)
Galileo, Inc.; 3350 Peachtree Rd. NE, Ste. 1550; Atlanta, GA 30326; 404-816-9885 or 404-816-5690 (fax)

LiteTools
Presentation management software
Macintosh LC or larger; 4 MB of RAM; hard disk drive; System 6.0 or later.

LiteTools presentation management software allows users to create, edit and preview high-impact presentations entirely on a Macintosh. Users can enhance presentations with LiteTools' image capturing, organizing, editing, timing, special effects and preview functions. Developing presentations is fast and easy with LiteTools' complete mouse, keyboard and printer support. Users can even create a library of LiteShow presentations and incorporate images from past shows into new ones. Once a presentation is complete, users can present their images at a full 640 by 480 resolution, with up to 256 displayable colors, on a LiteShow II presentation management system or LitePro LS self-contained color LCD projection system.
$395 retail
In Focus Systems, Inc.; 7770 SW Mohawk St.; Tualatin, OR 97062; 503-692-4968, 800-327-7231 or 503-692-4476 (fax)

MacPresents — Multimedia Database Manager 1.0
Multimedia database management software
Macintosh SE or larger; 5 MB of RAM for color; System 6.0.5 or later.

MacPresents — Multimedia Database Manager (MDM) helps users manage databases containing PICT files and Macromedia Director and QuickTime movies. Designed as a companion piece to MacPresents — Multimedia Presentation Manager (MPM), the MDM allows users to locate, preview and automatically export PICT files and movies to pull-down menus in the MPM. Users can search for files hierarchically, alphabetically based on file names and relationally based on user-defined key words. Information stored with each file includes file size, color depth, PICT dimensions, description, source and a memo field for notes. The product is System 7 compatible.
$149 retail
$99 retail; educational
Educational Multimedia Concepts, Ltd.; 1313 Fifth St. SE, Ste. 202E; Minneapolis, MN 55414; 612-379-3842, 800-356-6826 (orders) or 612-831-3167 (fax)

MacPresents — Multimedia Presentation Manager 1.1
Multimedia presentation software
Macintosh SE or larger; 5 MB of RAM for color; System 6.0.5 or later.

MacPresents — Multimedia Presentation Manager (MPM) gives users the ability to organize and control the presentation of text, graphics, videodisc images and Macromedia Director and QuickTime movies contained in up to six pull-down menus. Sequences of items in these menus can be assembled using the script editor and then stored as separate presentations in a "script" menu. Keyboard arrows and directional arrows at the bottom of the screen allow easy navigation through a script. Any item in a menu or script is immediately accessible. The program has built-in text and paint tools for customizing text, and a videodisc editor and controller. Multiple thumbnail representations of PICT files can be stored in RAM for quick recall to screen. Macintosh PowerBook and System 7 compatible, the product is licensed for use on two computers.
$349 retail
$99 retail; educational
Educational Multimedia Concepts, Ltd.; 1313 Fifth St. SE, Ste. 202E; Minneapolis, MN 55414; 612-379-3842, 800-356-6826 (orders) or 612-831-3167 (fax)

Media Scheduler
Schedules Macromedia Director presentations, images and QuickTime movies to run in a continuous loop
Macintosh IIci or larger; Macromedia Director; QuickTime; System 7.1 or later.

Media Scheduler seamlessly schedules Macromedia Director presentations, PICT and TIFF images and QuickTime movies to run in a continuous loop for closed-circuit video networks or for videotext applications. Media Scheduler is ideal for employee communications, company bulletin boards, hotel lobbies, trade shows or anytime frequently changing messages must be delivered. Media Scheduler lets users selectively schedule their multimedia presentations for any hour of the week. Users just drop their media element into the "Play Folder," set the playback options, and go. There's no Lingo coding to worry about. Users can even update

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the content of some movies from within Media Scheduler. Galileo also offers a full series of Media Scheduler templates, including Macromedia Director movies, so that users can design their own system — even if all they know how to do is type.
Call for pricing; depends on size of site
Galileo, Inc.; 3350 Peachtree Rd. NE, Ste. 1550; Atlanta, GA 30326; 404-816-9885 or 404-816-5690 (fax)

Media Suite Pro
Desktop video production system that generates professional presentations
Macintosh IIfx, Quadra 900/950; multisync color monitor.

Media Suite Pro, a video production system, places on the desktop the ability to create, edit, view and record high-quality digital video. Multimedia projects can include any combination of video, graphics, animation, titles, scanned images, electronic photos, music and other sound effects, which can be recorded, edited and played as full-screen, full-motion, TV-quality video on a Macintosh hard disk. Media Suite Pro works with ordinary camcorders and VCRs. Titles can be added with a built-in title generator. A single video presentation can be output in any of three formats: viewed immediately on the computer under interactive control; recorded directly from the computer onto videotape in real time; or distributed as a QuickTime movie. The comprehensive packages includes the Media Suite Pro software; video, JPEG compression and audio boards; a SCSI-2 disk controller and stereo amplified speakers with CD-quality sound. Media Suite Pro is now available with Avid Technology's optional EDLs and optional 2-field resolution.
Call for pricing
Avid Technology, Inc.; Metropolitan Technology Park; One Park West; Tewksbury, MA 01876; 508-640-6789, 800-949-2843 or 508-640-1366 (fax)

MediaMaker 1.5
Desktop video publishing package
Macintosh Classic or larger (Macintosh II recommended); 2 MB of RAM (4 MB for color); hard disk drive; System 6.0.7 or later.

MediaMaker allows users to easily integrate video with graphics, animation, text and sound to publish videotapes and create video presentations. To support both video presentations and video publishing, Macromedia utilizes two types of multimedia documents, Collections and Sequences. Collections are media databases that allow users to add, organize and edit elements of video tape, videodisc, compact disc audio, Macintosh audio, graphics and animations. Users play back the media by simply double-clicking on any "picon" (picture icon; a visual cue of the media's content). This interactive playback of media is ideal for live presentations. Users can drag the media elements from the Collection window into the Sequence window. Sequences provide a simple system for laying out and synchronizing the media elements over time. MediaMaker Sequences can be easily output to videotape using MediaMaker's powerful "Print to Tape" feature. It supports Apple QuickTime and Sony VISCA interface.
$695 retail
Macromedia; 600 Townsend St.; San Francisco, CA 94103; 415-252-2000 or 415-626-0554 (fax)

Medior Renaissance
Media integration system
Macintosh II or larger; 8 MB of RAM; 13-inch RGB monitor; range of Sony video hardware.

Renaissance provides all the tools necessary for creating custom videos quickly and easily. With Renaissance, users can grab segments from tape or laserdisc, overlay their own titles or import graphics from the Macintosh and then print to video — all in just a few minutes. Renaissance's elegant design means that there is literally no learning curve. A turnkey system, Renaissance includes two VHS tape desks, one 8mm Hi8 deck, one laserdisc player, audio speakers, VideoLogic DVA-4000 card set and Mediator, as well as software and on-site installation.
$16,000 approximate retail; education and volume discounts available
Medior, Inc.; 371 Princeton Ave.; PO Box 1205; El Granada, CA 94018; 415-728-5100 or 415-728-8406 (fax)

Microsoft PowerPoint 4.0
Presentation software; includes Genigraphics Driver and GraphicsLink program for preparing and transmitting PowerPoint data files to Genigraphics Service Centers
Macintosh Plus with 68020 or larger microprocessor; 8 MB of RAM recommended; System 7 or later (System 7.1 for Power Macintosh); hard disk drive.

Microsoft PowerPoint advances the presentation graphics category by delivering new features and enhancements that focus on the entire process of creating presentations, with the goal of making users more effective presenters. It offers a high level of consistency and synergy with other Microsoft applications, further enhancing ease of use and learning. The AutoContent Wizard provides users with suggested presentation content and structure to organize six of the most commonly used presentation topics along with a general content outline. Rehearsal will make users more effective — they can practice their presentation for time allotted. Hidden Slides, Drill Down and Branching make sure that users are prepared with the backup materials they need to answer the questions that may be asked. PowerPoint offers AutoLayout, 100 consistent tasks with Word and Excel, Pick-a-Look Wizard, Quick Preview, CueCards, ToolTips, customizable Toolbars, shared components, prompt text, status bar, right mouse button support, context-sensitive help, Tip-of-the-Day, AutoShapes, most recently used files, most recently used fonts and most recently used colors.
$495 retail
Microsoft Corp.; One Microsoft Way; Redmond, WA 98052-6399; 206-882-8080

MindMap
Interactive multimedia presentation system
Macintosh Plus or larger; 1 MB of RAM; HyperCard 2.0 or later.

MindMap is an interactive multimedia presentation system that allows users to create convincing presentations for customers, investors and employees quickly and easily. Non-programmers can use MindMap's point-and-click tools to brainstorm ideas, and then link those ideas into original presentations. Users can express ideas in any combination of words, pictures, sounds, still and motion video. With a laserdisc player connected, MindMap allows users to capture still or motion video from videodiscs. Users can capture sounds from videodiscs or from CDs with a CD-ROM drive attached. Users can mix video from a laserdisc and sounds from a CD on the same screen. MindMap is System 7 compatible.
$245 retail
$145 retail; school version
Full Circle Media; 25 Valley View Ave.; San Rafael, CA 94901; 415-453-9989

Motion Works Multimedia Utilities
Multimedia production tools
Macintosh II or larger; 2 MB of RAM (4 MB recommended); 32-bit QuickDraw 1.2 or later; System 6.0.7 or later.

Multimedia Utilities is a set of six tools that provide multimedia users with easy-to-use solutions for the most common and challenging multimedia-related tasks. Whether users are creating a presentation in a presentation package, such as Persuasion or PowerPoint, editing a Mac beep sound or producing a CD-ROM title, Multimedia Utilities has a tool for them. With utilities for morphing, screen recording, sound editing, movie editing, animation and interactivity, Multimedia Utilities is a complete set of multimedia production tools and a must-have, either as a stand-alone set or as the perfect companion to any media integration product on the market.
$249 retail
Motion Works USA; 524 Second St.; San Francisco, CA 94107; 415-541-9333, 800-800-8476 or 415-541-0555 (fax)

MovieWorks
Allows users to create interactive multimedia projects and QuickTime movies
Macintosh LC, II, Centris, Performa or Quadra family; 8 MB of RAM; 10 MB hard disk drive space; 8-bit color monitor; QuickTime; System 7 or later.

MovieWorks is five programs in one (Text, Sound, Composer and Player) and provides users with everything needed to create interactive multimedia projects, presentations, training, entertainment and QuickTime movies. First, create and edit objects in MovieWorks Text, Sound, or Paint (other editors may be used). Second, set up project's "look and feel" using MovieWorks high quality interface pieces (backgrounds, frames circles and buttons). Third, use Composer to integrate the objects into a scene, add animation and special effects, then link scenes together either sequentially or interactively through the use of buttons, to create a project. Create a run-time version and distribute with Player.
$295 retail
Interactive Solutions, Inc.; 1710 S. Amphlett Blvd., Ste. 107; San Mateo, CA 94402; 415-377-0136 or 415-377-1964 (fax)

MultiMedia HANDisc
Multimedia handbook on disc
Macintosh Plus or larger; CD-ROM player.

The MultiMedia HANDisc is a Macintosh multimedia handbook on disc. This CD-ROM includes multimedia tutorials, demos and huge libraries of animations, sounds, photos, backgrounds and a template to create a user's own multimedia invitation — everything needed to learn how to create and run multimedia presentations. The CD-ROM demonstrates the various ways to input, process and output multimedia information.
$49 retail
MediAlive; 766 San Aleso Ave.; Sunnyvale, CA 94086; 408-752-8500 or 408-752-8501 (fax)

On The Air
Animated presentation software
Macintosh II family and Power Macintosh compatible.

On The Air is low-cost, easy-to-learn and use presentation/animation software designed for users who need attention-grabbing presentations quickly. It can be used to create, edit, rearrange and play back stills, sounds and path-based animations. There are no tedious, repetitive frame-by-frame controls to learn; On The Air uses simple slider bars calibrated in percentages. On The Air is also a powerful playback engine for presentations created in other Macintosh environments. Users can playback on the desktop or output to a large-screen projector. Optional multiscreen presentation control is transparent to an audience as users pause, screen blackout, rearrange scenes on the fly or find/repeat scenes in any order. On The Air is System 7 compatible. On The Road, a companion product included with On The Air, is a playback engine designed to play back presentations created with On The Air. Because On The Road is less than 90K in size, it can be placed on a floppy with the presentation file and mailed or sent electronically to another user. This party can then play back the presentation in its entirety, complete with animation sequences and sounds. On The Road may be distributed to anyone free of charge. Version 1.1 includes QuickTime support.
$195 retail
Meyer Software; 616 Continental Rd.; Hatboro, PA 19040; 215-675-3890 or 800-643-2286

Passport Producer Pro
Real-time production for interactive media
Macintosh Centris or Quadra; 12 MB of RAM; hard disk drive; System 7.0 or later.

Passport Producer Pro is the ideal authoring software for creating public access kiosks, computer-based training, special event presentations and video and CD-ROM productions. Producer Pro's real-time development environment gives producers instant feedback during the production process, making it easy to try various what if scenarios. Passport Producer Pro is a time-based production tool that combines and synchronizes animation, video, audio, music and presentation graphics. It offers multimedia producers interactivity, path-based object animation, external device control, video support and graphics and text capabilities.

Supported file types include PICT, TIFF, QuickTime, PICS, AIFF and MIDI.
$1,495 retail
Passport Designs, Inc.; 100 Stone Pine Rd.; Half Moon Bay, CA 94019; 415-726-0280 or 415-726-2254 (fax)

Persuasion 2.1 Japanese
Japanese version of Persuasion
Macintosh Classic or larger; 4 MB of RAM; Japanese Language Kit with System 7.1 or KanjiTalk 6.0.7 or later.

This Japanese version of the popular presentation software supports all the features of the equivalent English version, plus it gives users the ability to use Japanese text in presentations. When used in combination with a Japanese font utility or a Japanese PostScript print device, Persuasion Japanese produces high-quality kanji output in overhead transparencies and slides. It comes with Japanese documentation.
$749 retail
Qualitas Trading Co.; 2029 Durant Ave.; Berkeley, CA 94704; 510-848-8080 or 510-848-8009 (fax)

Philmont Symposium System
Interactive multimedia presentation software
Macintosh Plus or larger; 2 MB of RAM; System 7.0 or later.

Philmont Symposium System lets users put their own files together to form interactive multimedia presentations. Combining QuickTime movies, text and PICT files (including Photo CD discs), users can create training programs, interactive kiosks, educational course materials and tests, personal travelogues, scrapbooks and publications for CD-ROM, etc. Philmont Symposium System can be used to create and edit text and PICT file for use in a Symposium; in addition, native Symposium Shapes files can be created which combine graphics, text, pictures and "hot shapes" for use with a Symposium. Not a passive slide show or presentation program, the System provides extensive user involvement with content. The System now includes Apple's PlainTalk text-to-speech technology. The Controller and navigational tools for Symposium users are automatically assembled by the System — no programming is required either to develop or use Symposia. At the same time, the wide range of options available allows the creation of large Symposia with a common interface but with many custom features for each Symposium. Philmont Symposium System consists of two applications: Symposium Creator and Symposium Explorer.
$75 retail
The Philmont Software Mill; 14 Maple Ave.; Philmont, NY 12565; 518-672-4890, 800-527-9199 or 518-672-4743 (fax)

■ The Presenter's Edge
Build business and educational presentations
Macintosh II or larger; 4 MB of RAM; System 7.0 or later.

The Presenter's Edge lets users build personalized business or educational presentations at an affordable price. The Presenter's Edge design is image oriented, using images from Photo CD, other graphics and paint programs or clip art, with the added impact of CD-quality sound or voice-over. The image intuitive "slide sorter/light table" makes timing easy — no time lines or frame counts to worry about. Users can import Photo CD, PICT and TIFF images and QuickTime movies. Users can overlay text, captions or bullets and mix with audio CD sound, Mac sound or voice-over using the four-channel sound mixer. Each presentation is created with its own self-running "Watch me" file, which can be viewed on other Macintosh computers or can be output to video and 35mm formats.
$74.95 retail
InMedia Software Inc.; 2011-1177 W. Hastings St.; Vancover, BC V6E-2K3; 604-685-6656, 800-565-5582 or 604-662-3457 (fax)

PresenterPad
Portable teleprompter and slide management
Newton MessagePad.

PresenterPad is a portable teleprompter and slide management application designed for Apple's Newton MessagePad. PresenterPad allows users to teleprompt a pre-scripted speech, customizing the pace to suit a particular style. For slide presentations, PresenterPad helps keep track of key points for each slide, and with the Newton infrared beam, controls slide presentation equipment as well. For both speeches and slide shows, PresenterPad gives a set of timers that display current information on the timing and pace of a presentation delivery. PresenterPad keeps all presentation information at a user's fingertips for the smoothest, most organized delivery possible.
$89 retail
Avalon Engineering, Inc.; 45 Newbury St., Ste. 208; Boston, MA 02116; 617-247-7668 or 617-247-7698 (fax)

Presenting Now... 3.0
Presentations software
Macintosh Plus or larger; 2 MB of RAM (4 MB for color); System 7.0 or later.

Presenting Now... is an electric chalkboard that captures the screen image of a Macintosh and allows users to manipulate it. Features include: line and arrow tools; shape tools; allows users to highlight, underline or flash the screen image; point with customized pointer tools; select and box-in, or move the image around; scribble or draw with the on-screen Scratch Pad; simple keystrokes will activate and a simple keystroke will restore the original screen image; save part or all of the screen image; and more. The program is System 7 compatible.
$129.95 retail
ISM, Inc.; 2103 Harmony Woods Rd.; Owings Mills, MD 21117; 410-560-0973 or 410-560-1306 (fax)

■ ProShow
Presentation-enhancing utilities
Macintosh II or larger.

ProShow is 10 presentation-enhancing utilities packaged in one easy-to-use Macintosh application. ProShow adds to any presentation, whether it's Microsoft PowerPoint, Aldus Persuasion, a spreadsheet, database or any other software. ProShow can be used via the keyboard and mouse, or ProPresenter Plus, Presentation Electronics' advanced presentation remote control. Features include: on-screen drawing, screen zoom, picture bullets, sound bullets, break timer, screen black, log show, password protection and more. ProShow has an advanced mode that allows power users to customize screen colors, text, fonts, scrolling rates, bullet styles and many more.
$49 retail
Presentation Electronics, Inc.; 4320 Anthony Ct., Ste. 1; Rocklin, CA 95877; 916-652-9281, 800-888-9281 or 916-652-9286 (fax)

Slide Show & Portfolio Viewer on Diskette
Inexpensive diskette-based slide show and photographic portfolio still image viewer
Any color Macintosh.

Slide Show & Portfolio Viewer places up to 36 customer-supplied photographs (color or black and white) onto a standard floppy diskette with the necessary license-free software to view the images as stills or a slide show on either a Macintosh or PC with Windows. Anyone with the need to duplicate actual photographs or costly photo CDs now has an inexpensive marketing tool. Photographers can send their portfolio on a single diskette to editors and real estate agents can circulate and catalog vivid color images for potential buyers. The uses for this unique photo viewing tool are unlimited.
$ .50 retail; per original scanned photograph
$1 retail; per duplicated diskette
Publishers Network, Inc.; PO Box 3190; Dept. MPR; Vista, CA 92085; 619-941-4100 or 619-941-0773 (fax)

Slides & Sound
Create high-tech slide shows
Color Macintosh; 4 MB of RAM; System 7.0 or later; CD-ROM drive.

Slides & Sound is a simple approach to multimedia at an affordable price. With Slides & Sound, users can import pictures from one or more PhotoCDs, arrange in any order, add titles, special effects and their favorite CD music to create a high-tech slide show. The Slides & Sound application imports the images users select from PhotoCD and stores them on a hard drive. This allows users to select pictures from several different PhotoCDs and use them in one slide show. Once the images are imported, users can select and arrange images in a window simulating a "light table." Captions can be overlaid on any photo or blank slide and CD audio can be synchronized to the show. A royalty-free runtime feature creates a file that can be viewed on other Macintosh computers. It is bundled with Kodalux processing of a user's first roll of 24 images to Photo CD.
$49.95 retail
InMedia Software Inc.; 2011-1177 W. Hastings St.; Vancover, BC V6E-2K3; 604-685-6656, 800-565-5582 or 604-662-3457 (fax)

Smoothie
Produces anti-aliased graphics from pictures produced by drawing and presentation applications
Macintosh LC or larger; System 7.

Smoothie produces beautiful anti-aliased graphics from pictures produced by drawing and presentation applications. It can take presentations produced using a variety of presentation packages and turn them into a Smoothie SlideShow. Smoothie SlideShows are double-clickable applications that contain the anti-aliased pictures making up the presentation and a program for showing them on screen. Smoothie SlideShows can be distributed license-free and do not require any other program for viewing. Smoothie supports QuickTime in three ways. It can use QuickTime's image compression to reduce the size of the smoothed pictures it produces; it can turn a smoothed picture into a single-frame QuickTime movie (ideal for creating titles for videos); and it can turn a collection of pictures into a complete QuickTime movie.
$149 retail
Peirce Software; 719 Hibiscus Pl., Ste. 301; San Jose, CA 95117; 408-244-6554, 800-828-6554 or 408-244-6882 (fax)

Special Delivery
Multimedia presentation software product
Macintosh LC or larger; 4 MB of RAM; QuickTime; System 7.

Special Delivery is a multimedia authoring tool that makes the creation of interactive multimedia easy enough for everyday users, yet powerful enough for the demands of professionals. Simple to learn and easy to use, Special Delivery integrates QuickTime movies, pictures, sounds and text to create powerful and effective communication vehicles for interactive presentations, training, kiosks and education. Using Special Delivery's interactive slide metaphor and a unique graphical user interface, anyone can develop interactive multimedia without scripting languages, timelines or flowcharts. Now users are free to concentrate on media content and the message, instead of "fighting" the authoring tool. With Special Delivery, users can even add interactivity to their slides from PowerPoint or Persuasion. Special Delivery includes a host of slide templates, backgrounds and button graphics to get users up and running. Special Delivery comes with built-in buttons that control movies, sound and navigation. In addition, a slide sorter and a wide variety of transitions let users create professional-looking materials quickly and easily.
$399 retail
Interactive Media Corp.; PO Box 0089; Los Altos, CA 94023; 415-948-0745

StandOut!
Desktop presentations/story boarding
Macintosh Plus or larger; external disk drive.

StandOut! is professional desktop presentation software that provides the necessary tools for making 35mm slides, overhead transparencies, flip charts, speaker's notes and audience handouts. The product combines the utility of text processing, graphics, charting and presentation management software into a single package. It delivers full-color, fully integrated charts and graphs; includes powerful text-handling capabilities and professional typographic effects; and provides a range of functions, such as slide sorting and online video review for easy and efficient show organization. StandOut! supports the industry standard file formats to ensure a user's library of images can be imported as graphic enhancements for their presentations. Output devices supported include color and black and white laser printers, thermal printers, phototypesetters, plotters and film recorders.
$295 retail
Manhattan Graphics Corp.; 250 E. Hartsdale Ave.; Hartsdale, NY 10530; 914-725-2048 or 914-725-2450 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

StrataType 3d 2.0
Three-dimensional typography/graphics
Macintosh II family, LC, SE/30 or larger with FPU; hard disk drive; System 6.0.5 or later.

StrataType 3d enables users to transform TrueType/Type 1 fonts, as well as Adobe Illustrator and PICT files into photorealistic 3-D images. Users simply type in text or import two-dimensional objects, then select from preset bevels, extrusion and text paths, which are customizable. Text and objects are easily manipulated with tools, such as kern, scale, rotate and stretch. StrataType 3d offers textures, such as wood, brick, marble and metals, that apply to text and objects with a click of the mouse. Special effects are achieved with unlimited light sources, light source gels, full-color backgrounds and filters. StrataType 3d is System 7.1 ready, so users can easily access all fonts available through the WorldScript Extension. Images can be exported as PICT, TIFF, EPS, DXF and QuickTime files for import into all page layout programs.
$199 retail
Strata Inc.; 2 W. Saint George Blvd., Ste. 2100; St. George, UT 84770; 801-628-5218, 800-869-6855 or 801-628-9756 (fax)

Trumatch ColorPrinter Software
Automatically generates a Trumatch ColorPrinter Reference Guide
Macintosh II.

Trumatch ColorPrinter Software prints out a complete Trumatch ColorPrinter Reference Guide. Users select colors from the Trumatch Colorfinder (a guide to digitally proportioned four-color) and compare them with the colors on the Reference Guide printout. Users will immediately see how close their comp will be to actual on-press colors. Users can correct their colors manually or automatically with color management systems.
$98 retail
Trumatch, Inc.; 25 W. 43rd St., Ste. 802; New York, NY 10036; 212-302-9100, 212-517-2237 (fax) or 212-302-0890 (fax)

VideoFusion
QuickTime video editing
Macintosh II; 5 MB of RAM; hard disk drive; QuickTime; System 7 or later.

VideoFusion is a video editing application that brings extensive special effects to QuickTime movies. VideoFusion belongs to a new category of applications that take advantage of the all-digital nature of QuickTime, allowing the Macintosh to be used as a special effects generator. Support is provided for standard video clip editing and transitions, as well as for independent channel processing for blending and colorizing, perspective transformations for scroll, pan, zoom and three-dimensional fly-by effects, dynamic morphing, filters to highlight edges, create mosaics, smooth and warp images and compositing for overlaying video on video or computer graphics on video. VideoFusion also provides the ability to control its many functions over time to perform fades, smooth transitions, color cycling and dynamic geometric transformations. Because of its exceptional floating point performance, a Power Macintosh processor-based computer running VideoFusion 1.6 will give video producers a 300-percent average increase in performance over the Quadra 950. VideoFusion can be used to produce movies anywhere that the power of QuickTime is used: dynamic documents, just-in-time training, dynamic CD-ROM magazines and, of course, low-cost video editing. VideoFusion builds on the breakthrough functionality of QuickTime to provide users with a unique tool for the QuickTime medium.
$649 retail
VideoFusion, Inc.; 1722 Indian Wood Cir., Ste. H; Maumee, OH 43537; 419-891-1090, 800-638-5253 or 419-891-9673 (fax)

VideoScript
Video transition program
Macintosh II; NuVista+ Videographics Card.

VideoScript, a powerful video transition program, harnesses the special effect capabilities of the NuVista and NuVista+ graphics engines to provide a wide variety of recordable 16-bit/pixel transitions, so users can create compelling presentations and then output to video tape. Twenty-eight sophisticated transitions are provided, including fades, blends, pushes, wipes and reveals. Live video can also be modified with effects like capture, posterization and video strobe, or overlay text and graphics on the live source. Unique blend capabilities allow users to transition between live video and computer graphics through a full range of transparency percentages. With VideoScript and a NuVista or NuVista+ graphics engine, users can turn their Macintosh into a broadcast-quality video production suite.
$149 retail
Truevision, Inc.; 7340 Shadeland Station; Indianapolis, IN 46256; 317-841-0332, 800-344-8783 (sales), 800-522-8783 (fax-back system) or 317-576-7768 (fax)

VideoShow
Desktop presentation systems
Macintosh SE or larger.

The VideoShow family provides a full range of electronic presentation solutions that not only produce slides, transparencies, overheads and handouts, but also provide a conference room delivery tool. The VideoShow system uses disks prepared on a Macintosh and can be connected to any color monitor or large screen video projector to create full color presentations. Operated via a wireless, hand-held remote control unit, VideoShow offers a broad spectrum of special effects, such as fades, wipes, spirals and weaves. Three models are available. The VideoShow Professional displays up to 100,000 simultaneous colors in photographic images and up to 5,000 simultaneous colors in computer-generated images. The VideoShow Executive offers boardroom-quality presentations of computer-generated images with 1,000 simultaneous on-screen colors. An extended features board adds genlock, additional memory, NTSC composite video output and an AppleTalk port.
$6,995 retail; VideoShow Professional
$2,995 retail; VideoShow Executive
General Parametrics Corp.; 1250 9th St.; Berkeley, CA 94710; 510-524-3950, 800-223-0999 or 510-524-9954 (fax)

The Virtual Meeting
MultiMedia TeleConferencing (MMTC) system
Macintosh LC or larger; 8 MB of RAM; QuickTime; System 7.0 or later.

The Virtual Meeting is a MultiMedia TeleConferencing (MMTC) System. It is a suite of applications that create an interactive multimedia communications environment that can be used to conduct meetings, lectures and presentations between participants in many geographically dispersed locations. The system is designed to be used concurrently with an audio conference call and adds the ability to control and synchronize the simultaneous presentation of text, graphics, images and video on every participant's screen from one location. The Virtual Meeting system allows people with ordinary desktop computers and modems to visually communicate while talking on an ordinary audio conference call. The person who has the floor in a Virtual Meeting can control the simultaneous presentation of slides, QuickTime or video clips, live sketching or the documents that were created with any Macintosh application. A meeting participant can electronically raise his or her hand at any time. When the meeting moderator recognizes a question, they give that person the conference floor and their photograph is displayed in each participant's Current Speaker window. The meeting protocols supported are moderated and unmoderated meetings, as well as circle and roundtable discussions. Telephones are great for communicating many ideas, but there are times when a visual aid might be required to communicate — that's what The Virtual Meeting system is for. Applications are included in the suite for Sketching something for all the users simultaneously and for showing QuickTime movies or slide shows to all the users simultaneously.
$3,600 retail; 10 users
$300 retail; each additional user
RTZ Software; PO Box 567; Cupertino, CA 95015; 408-252-2946 or 408-257-5274 (fax)

Desktop Publishing

4-SEPS
Color separation
Macintosh II; 24-bit color board.

4-SEPS is a software program that separates the image editing functions from the image separation functions. 4-SEPS produces a Candela ColorCircuit file, which fully describes the specified color separation transform. This saved ColorCircuit file is used by 4-SEPS to perform actual color separations on a daily basis. Any number of ColorCircuit files may be made for applications requiring different color separation control settings. RGB files are accepted in EPS, TIFF or Targa formats. Color separations are written as EPS, TIFF or Scitex CT files. These CMYK files are compatible with many other Macintosh programs and with most major high-end pre-press systems and imagesetters. Features include: full control over GCR, UCR, dot gain and black point; all color separation settings may be saved and retrieved; provides preview of RGB image and all separation images; incorporates a guide for SWOP standards; and simple to install.
$2,500 retail
Candela, Ltd.; 1676 E. Cliff Rd.; Burnsville, MN 55337; 612-894-8890 or 612-894-8840 (fax)

Adobe Type Manager
Lets users get PostScript-quality type on non-PostScript printers and screen displays
Macintosh Plus or larger; 1 MB of RAM; System 6.0.2 or later; PostScript printer.

Adobe Type Manager brings the quality of Adobe PostScript language outline fonts to both the display and non-PostScript language printers. Existing application programs are able to display and print type at any point size from Adobe outline fonts without irritating jagged edges. The text appears smoother and is easier to read both on the screen and in print. Adobe Type Manager includes the most popular 13 LaserWriter outline fonts from the Helvetica, Times, Courier and Symbol families. It also works with any of the more than 1,000 typefaces available in the Adobe Type Library. Users can purchase the Adobe Plus Pack and obtain the remaining 22 LaserWriter outline fonts that are resident in NT and NTX printers.
$99 retail
$198 retail; Adobe Plus Pack
Adobe Systems, Inc.; 1585 Charleston Rd.; PO Box 7900; Mountain View, CA 94039; 415-961-4400, 800-833-6687 or 415-961-3769 (fax)

■ **AdTracker**
Keeps track of document revisions
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

AdTracker helps keep users abreast of revisions to a document in QuarkXPress by keeping a log of the date and time of individual revisions of a document, as well as providing the number of times the document was saved. AdTracker keeps track of the total time the document was in use — an invaluable feature when billing a client by the hour for design work. AdTracker can list users by their computer's chooser name or by a login name, which is requested each time the QuarkXPress application is launched. AdTracker allows users to limit the length of the individual usage log, and the document's usage information may be saved to a text file to facilitate record keeping or for later reference.
$79 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

Alaris Apertura
Adobe Photoshop plug-in that enhances performance by opening any smaller portion of an image
Macintosh with 8 MB of RAM; Color QuickDraw; Adobe Photoshop; Intel-based Scitex equipment.

Alaris Apertura is a time-saving Acquire/Export plug-in for Adobe Photoshop. It allows users to open a small portion of an image, significantly reducing image load, edit and save times. Users select the crop to open from a large, accurate preview. When users have completed editing, Alaris Apertura automatically remembers where the crop came from and will insert the edited crop back into the original image or a copy of

it. Apertura Access technology enables users to edit images on foreign disks, such as CTs and LWs, directly on iRMX-formatted Scitex optical disks or hard disk shuttles with no file copying. Also, with this technology, scans can now be sent on Scitex optical disks directly to "desktop" customers who also own Alaris Apertura.
$199 to $2,995 retail
Alaris Corp.; PO Box 14562; Research Triangle Park, NC 27709; 919-544-1228 or 919-544-7772 (fax)

Aldus HomePublisher
Document layout program
Macintosh Plus or larger; 2 MB of RAM (4 MB recommended); hard disk drive; System 6.0.5 or later.

Aldus HomePublisher is a one-stop publishing kit that includes: Aldus Personal Press 2.0, more than 50 professionally-designed document templates, 12 TrueType fonts from Bitstream, 100 home and small business ClickArt images from T/Maker and 25 sheets of specialty paper. Aldus HomePublisher is designed to be the complete publishing package that lets users turn out first-class, professional-looking publications, newsletters, brochures, flyers, calendars and more. Aldus HomePublisher includes more than 50 "intelligent" AutoCreate templates, which make publications practically create themselves. These "smart" templates present users with a series of options regarding what type of publication they want to create (newsletter, brochure, flyer, etc.) and how they'd like the document to look (two or three columns, with or without a table of contents, etc.), and guide them through creating it using their own text and graphics. Once the initial decisions are made, the program creates, builds and finalizes the document down to the last detail, so it's ready to print in a matter of minutes.
$49.99 suggested retail
Aldus Corp. Consumer Division; 5120 Shoreham Pl.; San Diego, CA 92122; 800-888-6293 or 619-558-8723 (fax)

APE
Sign manufacturing; converts PostScript files to plotter commands
Macintosh II or larger; desktop publishing application.

APE is a utility that converts PostScript files to plotter commands for the purpose of driving vinyl-cutting plotters from desktop publishing applications. It is compatible with Adobe Illustrator, Aldus FreeHand and others, and drives most of the plotters on the market today. A graphical display of the actual output is generated prior to cutting, allowing users to determine if editing is necessary. The artwork can be cut in any size, and the vinyl is cut in segments to produce large artwork. It is MultiFinder friendly, allowing cutting to proceed while a user is editing the next sign. Detailed instructions for connecting the various plotters are included.
$350 retail
Sign Equipment Engineering, Inc.; PO Box 6188; Bellevue, WA 98008; 206-747-0693 or 206-562-3017 (fax)

Arabic XT 2.0
Arabic XTension for Quark XPress
Macintosh Plus or larger.

Arabic XT is a Quark XTension designed to bring the capabilities of XPress to the Arabic market. The package consists of an International version of QuarkXPress 3.3 bundled with a new release 2.0 of Arabic XT, professional edition. The benefit of the Arabic XT is that it does not require the Mac Arabic system. The Latin System 7 or later are required. The program includes a nice library of the most commonly used Arabic fonts: leyla, Youmna, Souraya, Gihane and Salwa. Optional fonts are: Marwan, Samar and Nada. Also, Layout has licensed the entire set of Agfa Compugraphic fonts and several typefaces from Boutros. The bundled package is fully compatible with the features of QuarkXPress 3.3. A close collaboration between QuarkXPress and Layout Ltd. gives the product the performance expected from a high-end Arabic desktop publishing package. The package will also support any additional XTensions developed for QuarkXPress. Among the features that Arabic XT supports are: multiple columns, Drop Caps, paragraph indents, tabs, variable-shaped text boxes, gray-scale TIFF shading, coloring blending, automatic and controlled trapping, automatic Kashida inertion and ligature selection.
$1,595 retail
Layout Ltd.; Sioufi St.; Abboud Bldg.; PO Box 165479; Ashrafieh, Lebanon; 961-1-200539 or 961-9-936439 (fax)

■ **Arrowz**
Aldus Addition for PageMaker
Macintosh Plus or larger; 5 MB of RAM; PageMaker 4.2; System 7.0 or later.

An Aldus Addition for PageMaker, Arrowz gives users numerous options to enhance their design capabilities. Users control the size of the stroke (outline) or thickness of the shaft for big or small and heavy or light arrows. There are 21 separate choices for head or tail designs from which to choose. Users can even bend the arrows with any point on the shaft. The options are practically limitless.
$49 retail
ShadeTree Marketing; 5515 N. 7th St., #5-144; Phoenix, AZ 85014; 602-279-3713, 800-678-8848 or 602-279-1874 (fax)

ArtSpree For PageMaker
Image control for vector graphics
Macintosh Plus or larger; hard disk drive with 1 MB free; SuperDrive; PageMaker 5.0; System 6.0.7 or later.

ArtSpree gives PageMaker users lightness and contrast control for Adobe Illustrator, EPS and PICT vector images. Users can adjust the intensity of color images to layer with text and other graphics; correct gray-tone contrast to improve laser printer output; import EPS files from Illustrator and FreeHand and PICT files created with MacDraw, SuperPaint and Canvas; and fine tune clip art from all the top names.
$79 retail
TechPool Software; 1463 Warrensville Center Rd.; Cleveland, OH 44121; 216-291-1922, 800-777-8930 or 216-382-1915 (fax)

■ **Assassin**
Lists active graphics
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

Assassin makes removal of some or all graphics from users' documents quick and easy. A single dialog lists all of the graphics in the currently active document, enabling users to select any or all of them and remove them from the document with a click of the mouse button. Another dialog makes it possible for users to remove graphics from one or more documents by the graphics attributes. Users use the controls to specify a particular graphic type, volume and/or file name prefix. Assassin scans a document or an entire folder of QuarkXPress documents and removes the graphics that meet the parameters defined in the dialog.
$69 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

Atlantis Data Publisher
Incorporates text and graphics publishing around a full-bodied report writer engine
Macintosh Plus or larger.

Atlantis Data Publisher incorporates text and graphics publishing around a full-bodied report writer engine. Users can easily design data publishing templates that will then publish documents of unlimited length, including sophisticated data formatting, pictures, drawings, paginations, drop-boxes, shadowing, colors, formatted text, data and more. Not just a "page publisher," Atlantis handles large catalogs, as well as simple layouts. Users can access all popular local and host databases, such as ASCII flat file, tab delimited, 4th Dimension, FileMaker Pro, Excel, xBase, SQL Server, Sybase, Oracle, Ingres, DB2, ctree, XDB, EBCDIC and more.
$895 retail
Snow Development Group; 2360 Congress Ave.; Clearwater, FL 34623; 813-784-1845 or 813-787-1904 (fax)

■ **AutoLib**
Creates library of graphics
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

The AutoLib XTension can create a library of artwork used in QuarkXPress in record time. Uses just specify the XTension folder of graphics and in no time those graphics will be housed in a handy library, ready to be added to documents with drag-and-drop ease. AutoLib saves users time in two ways: in creating the library much faster than they could by hand and by the drag-and-drop insteading of importing the graphic. AutoLib recognizes EPSF, EPSF PC, PICT, Paint, RIFF, TIFF, Scitex CT and DCS master files.
$195 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ **AutoXTract**
Scans preselected folders for QuarkXPress documents
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

AutoXTract is a utility that scans preselected folders for QuarkXpress documents, opens the document, and exports all of the text from those documents to a user-selected folder as a text file. The text stories are exported in order from left to right and from top to bottom. With AutoXTract, it becomes easy to set up an archiving routine that will run automatically. AutoXTract lets users choose which folders to scan for files and uses a user-designed folder for output. The file name for the output can be controlled as well. Options include using the first eight letters of the QuarkXPress document name, using the first 12 letters of the name and using the entire name. AutoXTract can also be set to add an extension to the end of each exported text file for easier identification.
$200 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ **Bar Code Creator**
Integrates desktop publishing with PostScript bar codes
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later.

Bar Code Creator allows users to create bar codes on a Macintosh, save them as EPS files and import the bar code into graphics and publishing programs. Bar Code Creator allows the integration of the bar code within a package's graphics; therefore, there are no more film master charges, no more hand stripping and first generation quality is achieved. The software lets users adjust symbol sizes (narrow bar, ratio, height) to accommodate a design. Users can choose between UPC-A, UPC-E, EAN 8, EAN 13, I2 of 5, Code 39, Code 128, Codabar or Pharmacode and specify black and white output or color. Bar Code Creator also allows users to add supplemental codes, bearer bars and corner marks.
Call for pricing
Bar Code Systems, Inc.; 7000 Central Pkwy., Ste. 1210; Atlanta, GA 30328; 404-399-5921, 800-883-8300 or 404-399-7837 (fax)

Bar Code Xpress
Bar-code production and management
Macintosh Plus or larger; 2 MB of RAM; QuarkXPress 3.0 or later; System 6.0.5 or later.

Pre-press bar-code production and management is changing. The process can be confusing, time consuming and expensive, or it can evolve the BCS SymArt Software Way: film masters, digital EPSF, database management or all three. The BCS SymArt Software Way allows users to build up to their desired level at their own pace and with the assistance of BCS' bar-code software specialists to guide them. BCS SymArt Software has mapped out an intelligent transitional path to the future with innovations that include databases that store bar-code formats, product numbers, family codes, value codes and printing process specifications: Product Codes — Versions A and E (zero suppressed); Coupon Codes — automatic redemption numbers, add-on codes and market tracking; Shipping Container Codes (SCS) — I 2 of 5 (ITF) formats with bearer bars; and Printing Processes — flexography, offset, gravure, silkscreen, rotary letterpress.
Call for pricing
Bar Code Systems, Inc.; 7000 Central Pkwy., Ste. 1210; Atlanta, GA 30328; 404-399-5921, 800-883-8300 or 404-399-7837 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

BarCode Labeler II
Bar-code label program
Macintosh Plus or larger; 2 MB of RAM.

BarCode Labeler II allows users to easily create, edit and print bar codes in Code 3 of 9, Interleaved 2 of 5, Code 128, Code 93, UPC (A & E), EAN (8 & 13) and Codabar symbologies. Bar codes can be created directly from the screen or merged with existing data files. Multiple data fields can be combined into one representative bar code. Users have full control over positioning of the bar code with rotating and flipping commands. The human readable text can be hidden, or display above or below the bar code. BarCode Labeler II offers graphics capabilities, user-definable layouts and the ability to print sequential and repeating bar codes.
$149 retail
Videx, Inc.; 1105 NE Circle Blvd.; Corvallis, OR 97330; 503-758-0521 or 503-752-5285 (fax)

BlendBuilder
Allows users to blend new colors from within QuarkXPress during the design or production process
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; QuarkXPress 3.0 or later.

Blending new colors from within QuarkXPress during the design or production process is not always an easy task. That task becomes even more difficult when users must compliment existing colors that are based on different color matching systems. BlendBuilder is an XTension that performs this chore for users. BlendBuilder provides the tools that allow users to experiment with more options and ensures results that are far more accurate than those derived by hand. Tightly integrated with the XPress user interface, BlendBuilder allows users to add colors to their current document or the XPress application directly. New colors are added by specifying two base colors, the number of blends preferred and a color model to base the blends on. Users may blend colors based on the HSB, RGB or CMYK color models to achieve unique results. A preview feature allows users to view the colors before they are added to the document, as well as offering them the ability to compare that color with its two base colors. Support for colors based on the HSB, RGB, CMYK, Pantone, Trumatch and Focoltone color matching systems is included. In addition, users who have installed the Color Sets file may choose from the Pantone Process, Pantone ProSim and Pantone Uncoated color matching systems.
$79 retail
XTend, Inc.; 2215 Polk Ave.; PO Box 7273; North Brunswick, NJ 08902; 908-821-6400 or 908-821-6801 (fax)

■ **BoxStyles**
Provides style sheets for text and graphics boxes
Macintosh II or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

BoxStyles provides style sheets for text and graphic boxes in QuarkXPress. Users can apply a BoxStyle to various boxes throughout a document or documents, then have the boxes' attributes update whenever they modify the BoxStyle style sheet. Like a style sheet, users can create a BoxStyle by acquiring the attributes of a selected text or graphic box. Users can rename, alter or remove the BoxStyle at any time.
$49 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

Cachet Color Editor
Color correction and reproduction
Macintosh LC, II, Quadra or Performa family with math coprocessor; 5 MB of RAM; hard disk drive; 8-bit color video card; 13-inch color monitor.

Cachet is a new class of software for color correcting and printing color photographs. Cachet provides a simple, intuitive solution to the challenges of color correction and reproduction. Color correction is easier thanks to Cachet and a unique concept called Edit By Reference. Now users can visually match their uncorrected image to an on-screen image that's already been corrected and printed with known results. For fast and automatic results, Cachet includes a feature called MultiChoice, which presents users with multiple suggested corrections to their images. From these images, users simply click on the one that most closely matches the selected reference image; Cachet does the corrections for users by adjusting the proper controls. Color printing and separations (CMYK) with Cachet is automatic, predictable and consistent. Through the EfiColor color management system, Cachet ensures that users will get high-quality color on any EfiColor supported device. Using EfiColor profiles, Cachet automatically optimizes a user's image for their printer or the printing method they are using.
$595 retail
Electronics for Imaging, Inc.; 2855 Campus Dr.; San Mateo, CA 94403; 415-286-8600, 800-285-4565 or 415-286-8686 (fax)

CAD To Mac
Universal CAD graphics importer for Macintosh publishing
Macintosh Plus or larger; hard disk drive recommended.

CAD to Mac provides easy translations of CAD drawings into PICT format for use in technical manuals or any other publication. This eliminates the time and expense of recreating design drawings. CAD to Mac provides a total solution for cross platform transfers. The program supports most popular CAD platforms, such as Mentor Graphics, SDRC I-DEAS, AutoCAD and PCad (any system that supports HP plotters). CAD drawings can be easily translated into object files that can be opened and edited by Macintosh applications, such as MacDraw, Canvas, SuperPaint, FreeHand or any program that can import a PICT file. CAD to Mac can scale, edit and print the translated drawing. The serial capture feature allows smooth transfer of drawings directly between the CAD system and Macintosh computer without requiring disk drive compatibility. The required hardware (cable and adapters) is included. CAD to Mac is System 7 compatible.
$195 retail
Celect Software; 7500 Innovation Way; Mason, OH 45040; 513-573-6800 or 513-573-6888 (fax)

CADMover 4.0
Vector graphics translator
Macintosh Plus or larger.

CADMover enables users to get their 2-D and 3-D graphics where they need to be: across departments, computer platforms or programs. Users can synergy via 3DGF, Adobe Illustrator, Architron II, CGM, ClarisCAD, DDES2/IT8.6, Dimensions, Dreams, DXF (both text and binary), ENVISAGE 3D, Gerber Plotter, HPGL, Focus, Zoom, IGES, MacDraft, MacDraw II, MiniCAD+ Text, PICT, Presenter Professional, Sculpt 3D, STL (stereolithography), Super 3D Text and Wavefront (.OBJ). CADMover's precision transformation logic maintans a high degree of accuracy for all calculations. Translation options include multiple layers and levels, multiple drawings within a file, scaling between most formats, unlimited file size with use of hard disk and full color. CADMover 4.0 has pan and zoom for accuracy checks, new editing dialogs and six new EPSF readers.
$495 retail
Kandu Software Corp.; 131 Great Falls St.; Falls Church, VA 22046; 703-532-0213 or 703-533-0291 (fax)

Candela Color Management System (CCMS)
Color implementation tools
Macintosh II or Quadra family; 24-bit color board.

The Candela Color Management System (CCMS) is a full-featured ensemble of object libraries that provide product developers and system integrators with a powerful and flexible set of proven software color implementation tools. CCMS offers full device characterization and calibration facilities. It supports the linearization of any image acquisition, viewing or reproduction device, including scanners, monitors, hard copy printers, film recorders and imagesetters. Ultra-high accuracy is achieved through close attention to smoothness and continuity using third and fourth dimensional non-linear functions. These complex color transformations are optimized, without sacrificing color quality, into Candela ColorCircuits, specially designed for speed. Professional color separation for any four-color printer includes independent dot gain, GCR and UCR controls. Gamut mapping, test pattern generators and reference color definition make the CCMS a complete and essential package for the successful creation of a wide variety of color products without further involvement by Candela.
S7,500 retail; single-user license
S25,000 plus royalty retail; master distribution license
Candela, Ltd.; 1676 E. Cliff Rd.; Burnsville, MN 55337; 612-894-8890 or 612-894-8840 (fax)

Candela Color Separation Library (CCSL)
Color implementation tools
Macintosh II or Quadra family; 24-bit color board.

The Candela Color Separation Library (CCSL) is strictly for developers who need the best in color control for color separation applications. The CCSL is a complete C callable object library for creating and using professional-quality color separation transforms. The CCSL has powerful pre-press and color matching controls. Dot gain may be set for the four printing channels. Undercolor removal (UCR) is used to control the total ink coverage in the four-color print. Gray component replacement (GCR) is used to control the balance between the black printer and the colored printers. The black point is used to specify the darkness of the printed full RGB black. There are color matching controls used to calibrate any RGB monitor to print. The CCSL is available for the following environments: PC/Windows 3.1; Macintosh/MPW and Think C; Sun SPARC/Sun OS and Solaris 2; and NeXT/NeXTSTEP 3.0.
$1,500 retail; single-user license
Candela, Ltd.; 1676 E. Cliff Rd.; Burnsville, MN 55337; 612-894-8890 or 612-894-8840 (fax)

■ **CapSize**
Resizes text by point size
Macintosh II or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

The CapSize QuarkXPress XTension allows users to resize text by point size. Users can set the size of type by its actual height. CapSize displays the type size either by cap height, zero height or accented height. Users may choose to have the XTension express the text height in points, inches, picas, millimeters or ciceros. CapSize offers a dialog and convenient palette that allows users to see and change the height of the currently selected text. Text height can be changed either by entering a new value or it can be changed with two handy arrow keys that enlarge or shrink the text by a percentage defined by the user.
$79 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ **CH-Interchange**
Converts images from one format to another
Macintosh Centris, Quadra or Power Macintosh; 8 MB of RAM; hard disk drive; 24-bit display; Adobe Photoshop; System 7.0 or later.

CH-Interchange is part of the Color Highway solution for converting images from one format to another. The complete package includes CH-interchange, the CH-JPEG Photo Plug-in and CH-PegIt. CH-Interchange is a stand-alone application that provides conversion from and to TIFF, EPSF, CH-PEG, EPSF/JPEG, RGB/TIFF and low-res TIFF — all in a single package. A useful, additional feature is the ability to attach keywords to images that can then be used in an image database application. Users can convert images to EPSF/JPEG files that can be used directly in page makeup applications. All JPEG files are fully compatible with PostScript Level 2 RIPs. With a proven compression ratio of 10:1, even on images with a high degree of detail or with slowly changing detail, the savings on data storage network traffic and production times are tremendous.
$1,000 retail
Highwater Designs, Inc.; 6 Bedford Farms; Bedford, NH 03110; 603-669-7466, 800-247-0722 or 603-669-7456 (fax)

CheckPost 1.3
Prints a proof copy of a PostScript file on laser printers so users can check before imagesetting
Macintosh Plus or larger; System 6.0.5 or later.

If users work with service bureaus, they have probably had problems getting the right output from the imagesetter. This can cost money, cause missed deadlines and lose business. CheckPost reduces this risk by using a laser printer to generate a proof copy of PostScript files — letting users preview on paper, not on expensive imagesetter film. CheckPost is easy to use. Users print to a PostScript file from any application using the standard Mac Print dialog. CheckPost then verifies the file download, shows how the pages will image — even prints a service bureau order form containing a complete description of the document and its fonts. This gives the service bureau the information they need to do the job right. A PostScript document that includes all fonts will print on the imagesetter exactly as it proofs from CheckPost.
$249.95 retail
Working Software, Inc.; PO Box 1844; Santa Cruz, CA 95061; 408-423-5696, 800-229-9675 or 408-423-5699 (fax)

Cirrus PowerLite 2.1
Professional scan and image manipulation program
Macintosh with 68020 or larger processor; 4 MB of RAM; System 6.0.7 or later.

Cirrus PowerLite is a professional scan and image manipulation program that easily enables more casual and inexperienced users to get the best possible output from their hardware. It offers optimized drivers for almost every entry-level and mid-range scanner in the market, a powerful (freeform, point list, etc.) brightness, contrast and gamma control and a simple interface. Applying all of a user's settings to a fresh initial scan delivers high-quality data that cannot be surpassed by any post scan digital manipulation. The integration as a full-fledged scan module into other applications, such as QuarkXPress, PageMaker or Photoshop, is enabled by AppleEvents, far surpassing both the capabilities and usability of existing plug-ins or XTensions. Cirrus PowerLite takes full advantage of the increased performance of the Power Macintoshes, but also runs on standard Macintoshes.
$199 retail
Canto Software, Inc.; 800 Duboce Ave.; San Francisco, CA 94117; 415-431-6871, 800-332-2686 or 415-861-6827 (fax)

Cirrus PowerPro 2.1
Scan and image manipulation program
Macintosh with 68020 or larger processor; 4 MB of RAM; System 6.0.7 or later (System 7 for use of ColorSync or AppleScript).

Cirrus PowerPro is a state-of-the-art scan and image manipulation program that easily enables both the inexperienced and the professional user to get the best possible output from their hardware. Optimized drivers for almost every scanner in the market, complete support of Apple's ColorSync system level calibration and AppleScript (both included in the PowerPro version) and the powerful (freeform, point list, etc.) brightness, contrast and gamma control allow users to record even the most complex and repetitive scan operations and reduce them to a single menu command. Applying all of a user's settings to a fresh initial scan delivers high-quality data that cannot be surpassed by any post scan digital manipulation. Cirrus PowerPro has all the advanced features, such as batch scanning, oversampling (for 10/12-bit scanners) and printer gamut alarm. The integration as a full-fledged scan module into other applications, such as QuarkXPress, PageMaker or Photoshop, is enabled by AppleEvents, far surpassing both the capabilities and usability of existing plug-ins or XTensions. Cirrus PowerPro takes full advantage of the increased performance of the Power Macintoshes, but also runs on standard Macintoshes.
$495 retail
Canto Software, Inc.; 800 Duboce Ave.; San Francisco, CA 94117; 415-431-6871, 800-332-2686 or 415-861-6827 (fax)

Classic Textures
Professional typesetting
Macintosh Plus or larger; 4 MB of RAM; hard disk drive.

Classic Textures is a typesetting system composed of Lightning Textures, Latex math and science macros and 75 Computer Modern PostScript fonts. Lightning Textures is a fully compatible, interactive Macintosh implementation of the TeX typesetting standard. It lets users compose and typeset large and complex documents, including books, technical manuals, proposals, scientific papers, product documentation, catalogs and journal articles. Textures features superior typographic control and the ability to typeset documents of any length — up to several thousand pages. It is ideally suited for large typesetting jobs that require cross-referencing, automatic inclusion of tables, figures and footnotes, insertion of illustrations/exhibits or generation of indices, bibliographies and tables of contents. In addition to producing accurate kerning, hyphenation and justification, Textures has the flexibility to handle difficult problems, such as unusual copy-fitting, multilingual text and mathematical formulas. Because Textures automates the formats that users design, it's able to accommodate the frequent revisions by multiple authors, editors and programmers that occur in company-wide or departmental use. Textures lets users use text-only files created with any other Macintosh editor or word processor. Charts, diagrams and graphics can be imported from other Macintosh applications and scaled to fit. Users can preview typeset pages on screen, including graphics, in a WYSIWYG format at any magnification up to full LaserWriter resolution of 300 dpi. A document is retypeset and previewed at each keystroke.
$695 retail
$495 retail; educational
Blue Sky Research; 534 SW 3rd Ave.; Portland, OR 97204; 503-222-9571, 800-622-8398 or 503-222-1643 (fax)

Clone
XTension for labels
Macintosh with 68000 processor or larger (68020 or larger and color monitor recommended); 4 MB of RAM.

Clone is a Quark XTension that greatly simplifies the layout of label masters directly from QuarkXPress. Installed in the XPress Utilities Menu, Clone gives users exact layout control and provides an elegant method to quickly mass duplicate labels in the various formats such as those from Avery. More than 100 different Avery forms are included in the package.
$99 retail
Second Glance Software; 25381-G Alicia Pkwy., Ste. 357; Laguna Hills, CA 92653; 714-855-2331 or 714-586-0930 (fax)

Color Calibration Software For PostScript Imagesetters
Print production software
Macintosh Plus or larger.

Color Calibration Software for PostScript Imagesetters is used to produce film for multicolor printing. It adjusts a PostScript-based system for accurate color reproduction. Features include: the capability to adjust film density and halftone screens independently, insuring optimal results and the greatest latitude in plate making; the capability to hold all halftone screens to within +/- 1 percent of specified values, insuring accurate and repeatable color reproduction; and the capability to control page geometry, insuring accurate, repeatable registration. Color Calibration Software works in conjunction with popular page layout programs, such as PageMaker and QuarkXPress, with graphics programs, such as FreeHand and Illustrator, as well as with programs for retouching scanned images, such as Photoshop and ImageStudio. The software runs on Macintosh computers and PostScript imagesetters, including the Linotronic L300 and L330p, Agfa Compugraphic's ProSet and SelectSet series of imagesetters and Varityper's Series 4000 imagesetters.
$695 retail
Technical Publishing Services, Inc.; 739 Bryant St.; San Francisco, CA 94107; 415-512-1230 or 415-512-1232 (fax)

Color Highway
Direct Macintosh link to high-end drum scanners
Macintosh Centris, Quadra or Power Macintosh; 8 MB of RAM; hard disk drive; 24-bit display; Adobe Photoshop; System 7.0 or later.

Color Highway is a family of high-end scanner links. CH-Scan, the first product in the family of modular software and hardware products, is an intelligent NuBus interface card. CH-Scan includes Macintosh scanning software, appropriate cabling, diagnostics and all documentation. It links Macintosh computers directly to high-end drum scanners from companies like Hell, Crosfield, Itek and Dainippon Screen. It provides a cost-effective way for trade shops, printers, newspapers and advertising agencies to quickly transfer high-resolution scans to Macintosh systems. CH-Scan plug-in software lets users acquire scanned images within Adobe Photoshop. CH-Scan also includes a stand-alone scanning application, which can save individual scans — or batches of images — directly to the Macintosh hard disk. Both versions of the CH-Scan software support RGB, CMYK, gray-scale and line-art images, as well as JPEG, TIFF, EPS and DCS file formats.
$20,000 retail
Highwater Designs, Inc.; 6 Bedford Farms; Bedford, NH 03110; 603-669-7466, 800-247-0722 or 603-669-7456 (fax)

■ **Color Usage**
Color reporting mode for QuarkXPress
Macintosh II or larger; System 6.0.5 or late, QuarkXPress 3.2 or later.

Color Usage helps users by reporting on how and where they used each color in their document. In detailed reporting mode, the XTension lets users know on what page each occurrence of a color is found, at what shade the color appears and whether the color was set to Separations Off or Separations On. Additionally, Color Usage knows whether the color was found in a background, a picture, a border or in any other kind of page element. The Color Usage XTension lets users print out the color information, and it gives them the option to save the data to a text file for later reference. With a click of a button, users can preview a color on screen and check its color breaks by both RGB and CMYK components.
$30 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

ColorAccess 1.4
Professional color separation software
Macintosh II or Quadra family; 5 MB of RAM; floating point processor; System 6.0.5 or later.

ColorAccess is powerful color separation software that emulates the color control software found in expensive high-end drum scanners. ColorAccess is used by commercial printers, service bureaus, publishers and professional designers to color correct and separate photographic images in preparation for printing on commercial printing presses. ColorAccess is used to prepare images for advertisements, magazines, newspapers, books and sales collateral and packaging. ColorAccess offers productivity features, including job tracking, job style sheets and background and batch processing. It also features a unique multiple-level user interface that allows novices to create quality color separations effortlessly without limiting access to the controls required by experienced color separators. Recently upgraded, ColorAccess now includes support for Photo CD and device characterizations for a variety of input and color proofing devices.
$995 retail
PixelCraft, A Xerox Co.; 130 Doolittle Dr., #19; San Leandro, CA 94577; 510-562-2480, 800-933-0330 or 510-562-6451 (fax)

■ **ColorChange**
Searches for and replaces colors in QuarkXPress documents
Macintosh II or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

ColorChange lets users search for and replace the colors in a QuarkXPress document. With ColorChange, users can change colors the way they would text or fonts. The ColorChange dialog allows users to select a color, find where it is used in their document, then selectively change the color to any color in the document's color palette. Users can change every occurrence of the color with a single command, or they can choose where the color should be altered. With a familiar interface similar to the standard XPress Find/

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1-800-347-1923

Change dialog, ColorChange is simple to operate. Users can see at a glance which colors they are actually using in a document. ColorChange knows how they used the colors: text, picture, background or frame. Users can limit the search and replace operation to any combination of these page element types.
$70 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

ColorCourse/Illustration
Graphic art tutorial
Macintosh IIci or later; 8 MB of RAM; System 7 or later; QuickTime; 13-inch monitor; 2 MB of available hard disk space; CD-ROM drive.

ColorCourse/Illustration is an interactive, multimedia tutorial and reference for photographers who want to enhance their creative and market potential by creating digital and traditional artwork that reproduces quickly and as intended. The material covers color concepts as they apply to the monitor and printing process, use of digital creative tools, preparation of traditional illustration for reproduction, how to scan artwork, trapping, creating files that image as they are intended to, selecting and evaluating proofs, plus an interactive/hypertext troubleshooting section.
$89.95 retail
ColorExpert, Inc.; 555 Richmond St. W, Ste. 504; Toronto, Ontario, Canada M5V 3B1; 416-360-3894 or 416-360-0204 (fax)

■ **ColorCourse/Imaging**
Color imaging
Macintosh IIci or larger; 8 MB of RAM; System 7.0 or later; QuickTime; 13-inch monitor; 2 MB of available hard disk space; CD-ROM drive.

ColorCourse/Imaging is an interactive, multimedia tutorial and reference for publishing professionals who want to create image and page files that can be imaged as printing film quickly and as intended. ColorCourse/Imaging covers the range of production options (including paths for going increasingly digital as skill and confidence increases), calibration of systems, trapping (including correct use of autotrapping applications), imposition, choosing a good service bureau, verifying quality and optimization of files for the imagesetter. There is also an interactive/hypertext troubleshooting section.
$89.95 retail
ColorExpert, Inc.; 555 Richmond St. W, Ste. 504; Toronto, Ontario, Canada M5V 3B1; 416-360-3894 or 416-360-0204 (fax)

■ **ColorExpert 1.1 Pro**
Desktop publishing reference
Macintosh IIci or larger; 8 MB of RAM; System 7.0 or later; QuickTime; 13-inch monitor; 2 MB of available hard disk space; CD-ROM drive.

ColorExpert 1.1 Pro combines ColorExpert 1.1 Tutorial and ColorExpert 1.1 Test Files. The tutorial is an interactive education and reference resource for users publishing in color on the desktop. It uses animations and interactive images, plus extensive text references to clarify the concepts and practices that lead to success in color publishing. Included with ColorExpert Pro is a 64-page proof-printed book of reference photographs that show how digital techniques are realized as ink on paper. The Test files are a suite of test files for evaluating the performance of graphic arts systems.
$195 retail
ColorExpert, Inc.; 555 Richmond St. W, Ste. 504; Toronto, Ontario, Canada M5V 3B1; 416-360-3894 or 416-360-0204 (fax)

■ **ColorExpert 1.1 Test Files**
Evaluating graphic art systems
Macintosh IIci or larger; 8 MB of RAM; System 7.0 or later; QuickTime; 13-inch monitor; 2 MB of available hard disk space; CD-ROM drive.

ColorExpert 1.1 Test Files are a suite of test files for evaluating the performance of graphic arts systems. ColorExpert contains a 64-page proof-printed book of reference photographs that provides a color reference. Users can test for black and white output (black and white halftones at various screen frequencies and duotones), test for digital output (digital printer color fidelity and resolution in nine standard color files formats), test for memory colors (accuracy of colors of familiar objects by digital printers), test for newspaper page (test of an imagesetter's ability to handle page complexity commonly experienced in newspapers, press evaluation), test for output (test of imagesetter and film proofing capabilities [speed, positional accuracy from plate to plate and line to line, color fidelity]), test for printer output (capability and speed test for laser printer) and test for trapping (various tests for autotrapping performance of reasonable and moderate difficulty).
$75 retail
ColorExpert, Inc.; 555 Richmond St. W, Ste. 504; Toronto, Ontario, Canada M5V 3B1; 416-360-3894 or 416-360-0204 (fax)

■ **ColorExpert 1.1 Tutorial**
Desktop publishing reference
Macintosh IIci or larger; 8 MB of RAM; System 7.0 or later; QuickTime; 13-inch monitor; 2 MB of available hard disk space; CD-ROM drive.

ColorExpert 1.1 Tutorial is an interactive educational and reference resource for users publishing in color on the desktop. It uses about 350 animations, interactive images and infographics, plus extensive text references to clarify the concepts and practices of successful color publishing. The material covers the complete color process, and includes material on preparation of photos and artwork, scanning and color correction, production requirements like trapping and color management, preparation of files for fast, trouble-free imaging (preflight), quality checking and proofing. A hypertext/interactive section aids troubleshooting, and a 64-page book shows how digital files appear as ink on paper.
$149 retail
ColorExpert, Inc.; 555 Richmond St. W, Ste. 504; Toronto, Ontario, Canada M5V 3B1; 416-360-3894 or 416-360-0204 (fax)

Colorfit
Color balances an MGI Solitaire or Sapphire Image Recorder
Macintosh SE/30 or II family.

Colorfit is a Macintosh application used to color balance an image recorder. It performs this color balance by first finding a balanced density minimum (Dmin) and then successively refining Look Up Tables (LUTs) in an automated fashion. The result is a gray scale that is neutral and is calibrated with respect to density distribution. This will enable the film recorder to make full use of its entire tonal range.
Call for pricing
Management Graphics, Inc.; 1401 E. 79th St.; Minneapolis, MN 55425; 612-854-1220 or 612-851-6159 (fax)

ColorMatch, ColorMatch Pro And Colorimeter 24
Color management solution
Macintosh II or larger.

ColorMatch software enables users to create a consistent color environment. Now users can calibrate their input, color display, output and four-color proofing systems to the same precision standards found at high-end imaging service bureaus and color separation houses. ColorMatch is based on the proven Kodak Color Management System (KCMS). It includes a starter set of Kodak's Device Color Profiles (DCPs) for a variety of popular scanners, color displays and output devices. ColorSet Calibration software is included, so users can calibrate any color display in visual mode. ColorMatch is 100 percent compatible with KCMS-supported applications, such as Adobe Photoshop and QuarkXPress. It provides transparent output previews on the screen, so users know how their color images and documents will look before printing; no gamut alarm is needed. ColorMatch can be accelerated with the DayStar Charger or Charger PFS with Charger Suites Vol. 3 or 4. Additional KCMS profiles are available through the Color On Call floppy disk (included) or CD-ROM.

ColorMatch Pro provides all the functionality of ColorMatch, plus interactive simulation of output on a display. ColorMatch Pro uses Photoshop's powerful editing tools to work on color-corrected files as they will appear when printed. Plus, ColorMatch Pro includes special effects filters and custom integration utility software, making it even more power.

Colorimeter 24 is a precision colorimeter measuring and calibration instrument at an entry-level price. Much more than just a luminance meter, Colorimeter 24 take a quantum leap beyond reading a display's light intensity. It precisely measures the condition of a color display's red, green and blue (RGB) phosphors to create a custom KCMS profile. When used with ColorMatch and support KCMS applications, Colorimeter delivers exact color matching of an original input to the printed output or four-color proof. It supports all 13-inch or larger color displays and includes ColorSet Calibration software.
$239 retail; ColorMatch
Call for pricing; ColorMatch Pro
$699 retail; Colorimeter 24
Call for pricing; Colorimeter 24 with five-pack ColorSet Calibration
DayStar Digital, Inc.; 5556 Atlanta Hwy.; Flowery Branch, GA 30542; 404-967-2077, 800-962-2077 or 404-967-3018 (fax)

■ **ColorQuartet: User Guidance System**
Scanner
Macintosh II or larger; System 7.0 or larger, 16-bit monitor, ColorQuartet 3.0.

ColorQuartet: User Guidance System is a powerful option for ColorQuartet — an "expert-in-a-box," providing automatic scanning for consistent, pleasing results. The novice user benefits from the expert guidance and the professional gains increased productivity due to reduced setup time.
$2,300 retail
ScanView, Inc.; 330 Hatch Dr., Ste. A; Foster City, CA 94404; 415-378-6360 or 415-378-6368 (fax)

Colortron
Professional-caliber desktop spectroradiometer
Macintosh with 2 MB of RAM; color display recommended; System 7.1 or later.

Colortron is professional-caliber desktop spectrometer for the capture, manipulation, specification and control of color. It features 32-bands of 10 nanometer constant bandwidth spanning the full visible spectrum. Colortron is capable of precisely capturing the unique spectral profile of virtually any color from both reflective and self-luminant targets. By providing an easy and affordable way to use spectral descriptions of color in computers, Colortron eliminates the need for extensive skills when working with color, allowing users to focus on intent. Production professionals will also appreciate the custom color formulation and device and system-wide calibration capabilities supported by this new product.
$995 retail
Light Source, Inc.; 17 E. Sir Francis Drake Blvd.; Larkspur, CA 94939; 415-461-8000, 800-231-7226 or 415-461-8011 (fax)

Conductor
Imaging software
Macintosh SE/30 or larger.

Conductor Imaging Software gives users complete job processing control of their Agfa film recorder using the Macintosh. It offers the perfect solution for imaging PICT, TIFF and Scrapbook files. Conductor's image management capability is fast, powerful and convenient. Users can shoot a group of both slides and prints, select global defaults and even preview images. A complete tool palette allows users to modify their layout. Whether users need to resize an image or center it in a frame, it can be done quickly and easily. It supports all Agfa film recorders, as well as the MaxiColor printer. With an AppleTalk network, users can share their film recorder among many users using Conductor remote.
$500 retail
Agfa Division; Electronic Desktop Solutions; 200 Ballardvale St.; Wilmington, MA 01887; 508-658-5600, 800-288-4039 or 508-658-4193 (fax)

■ **Copy & Apply**
Change attributes from one paragraph to another
Macintosh II or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

QuarkXPress allows users to copy paragraph attributes from one paragraph to another in the same chain. Changing different attributes of one range of text to match another can be time consuming. Copy & Apply fills the gap by making the transfer of character and/or paragraph attributes as easy as executing two keyboard commands. Because it is run completely by keyboard commands, Copy & Apply is virtually

invisible, yet is a powerful tool. The XTension's Preferences dialog allows users to configure their own keyboard commands. It also allows users to choose whether or not they want the style sheet information to be included in the copy and apply process.
$49 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

CopyBridge 3.2
Links the editorial power of XyWrite to the page layout capabilities of QuarkXPress
Macintosh SE or larger; 2 MB of RAM; hard disk drive; QuarkXPress 3.1 or later.

CopyBridge links the editorial power of XyWrite to the page layout strengths of QuarkXPress for the Mac or PC, streamlining the process of assigning text to story boxes by communicating typographic and fit information between systems. In addition, CopyBridge contains a "Hot Import Folder" option, which provides completely automatic import, export and translation of XyWrite files, allowing QuarkXPress to serve as an "H&J server" for an XyWrite workgroup. Supports CopyFlow Extract, Apple Events and Edit Notes II.
$2,295 retail
North Atlantic Publishing Systems, Inc.; 9 Acton Rd., Ste. 13; Chelmsford, MA 01824; 508-250-8080 or 508-250-8179 (fax)

CopyBridge/W 3.2
Links the editorial power of Microsoft Word to the page-layout strengths of QuarkXPress
Macintosh SE or larger; 2 MB of RAM; hard disk drive; QuarkXPress 3.1 or later.

CopyBridge/W, an extension to QuarkXPress, links the editorial power of Microsoft Word to the page-layout strengths of QuarkXPress, streamlining the process of assigning text to story boxes by communicating typographic and fit information between systems. Using Microsoft's Rich Text Format (RTF), CopyBridge/W can import and export files to any Macintosh or PC word processor that supports RTF. Programs that support RTF include Microsoft Word for the Macintosh, Microsoft Word for the PC and WordPerfect. In addition, CopyBridge/W contains a "Hot Import Folder" option that provides completely automatic import, export and translation of Word files, allowing QuarkXPress to serve as an "H&J server" for a Word workgroup.
$2,295 retail
North Atlantic Publishing Systems, Inc.; 9 Acton Rd., Ste. 13; Chelmsford, MA 01824; 508-250-8080 or 508-250-8179 (fax)

CopyFlow 3.2
Batch import and export of text and graphics to QuarkXPress for the Mac or PC
Macintosh SE or larger; 2 MB of RAM; hard disk drive; QuarkXPress 3.1 or later.

CopyFlow is a QuarkXTension — a program that "extends" the features of QuarkXPress 3.0 and later. It provides additional menu selections that let users import and export text and graphics files into QuarkXPress pages automatically. CopyFlow lets users import and export text with any of the Quark-supported word processing filters. It supports both Quark Extended Style Tags and NAPS own style tags for text file markup. CopyFlow has expanded compatibility with the XyWrite word processing program; has multiple layout boxes that can optionally have the same name, enabling automatic import of recurring text or graphics; and the option to picture import, which applies the art position and scaling edits automatically. CopyFlow supports Apple Events, CopyFlow Extract and Edit Notes II.
$395 retail
North Atlantic Publishing Systems, Inc.; 9 Acton Rd., Ste. 13; Chelmsford, MA 01824; 508-250-8080 or 508-250-8179 (fax)

CopyFlow Extract
Retrieves text from designated QuarkXPress documents and places them as text files in an assigned folder
Macintosh II or Quadra family; 4 MB of RAM; CopyFlow 3.2; QuarkXPress 3.1 or later.

CopyFlow Extract is an accessory to North Atlantic Publishing Systems' XTensions CopyFlow 3.2 and CopyBridge 3.2. Extract automatically retrieves text from designated QuarkXPress documents and places them as text files in an assigned folder. Extract can retrieve all the text files from an individual Quark document, or work in a batch mode, extracting all the text from any number of Quark documents. Extract places the retrieved text files in a designated "Export Folder," naming each file after the box name in the document. The retrieved files may be in any number of different text formats, such as Microsoft Word and XyWrite, available through Quark or CopyFlow itself.
$495 retail
North Atlantic Publishing Systems, Inc.; 9 Acton Rd., Ste. 13; Chelmsford, MA 01824; 508-250-8080 or 508-250-8179 (fax)

CopyFlow Geometry 2.0
Creates QuarkXPress layouts from ASCII files of geometry descriptions
Macintosh SE or larger; 2 MB of RAM; hard disk drive; QuarkXPress 3.1 or later.

CopyFlow Geometry can create QuarkXPress layouts, with text and art boxes in position, from ASCII files describing their geometry. CopyFlow Geometry can also append pages to existing layouts. New pages can be based on user-specified Master Pages. Text and art files can then be imported in new pages automatically as a batch process using CopyFlow, and the entire process — from creating layouts to filling text and art boxes — can be driven by Apple Events. Applications include newspaper, magazine and catalog page layout. CopyFlow Geometry is designed to link applications, such as PC News Layout to QuarkXPress.
$995 retail
North Atlantic Publishing Systems, Inc.; 9 Acton Rd., Ste. 13; Chelmsford, MA 01824; 508-250-8080 or 508-250-8179 (fax)

CopyFlow Reports 3.1
Reports to coordinate the activity of publishing workgroups
Macintosh SE or larger; 2 MB of RAM; hard disk drive; QuarkXPress 3.1 or later; CopyFlow 2.3.1 or later.

CopyFlow Reports is an XTension that uses CopyFlow to produce CopyFlow Report and CopyFlow Layout. These reports help coordinate the activity of publishing workgroups. CopyFlow Report produces an ASCII file of document status information. CopyFlow Layout produces a diagram of a document's text and art box geometry in a scaled-down spreadsheet format. The names of the boxes and editors are printed on the layout and the artwork can also be printed. CopyFlow Reports includes a Style Reporter that produces complete, configurable style reports for QuarkXPress documents and document templates.
$295 retail
North Atlantic Publishing Systems, Inc.; 9 Acton Rd., Ste. 13; Chelmsford, MA 01824; 508-250-8080 or 508-250-8179 (fax)

■ **CopySet**
Helps find and alter overset and underset boxes
Macintosh II or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

CopySet is an XTension that helps find and alter overset and underset text boxes. CopySet includes a palette that lists overset and underset boxes for the active document, letting users determine how much text is overset or underset in each story, and giving them the option to name the individual text boxes. With the click of a button a text box can be shortened or lengthened to accommodate the text it contains. CopySet also includes a feature that counts the lines, words and characters in a selected story. This feature also indicates whether or not a story is currently overset.
$129 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ **COSMOS**
Storage and management server
Macintosh II or larger.

COSMOS (Client Object Storage and Management Server) tracks and manages large volumes of images, graphics and other electronic information used in graphic arts production. COSMOS integrates smoothly with existing workflows and equipment, and can be customized for a user's specific environment. COSMOS supports high-volume storage devices for short-term and archival storage, and ensures integrity and security information.
Call for pricing
Optronics, An Intergraph Division; 7 Stuart Rd.; Chelmsford, MA 01824; 508-256-4511 or 508-256-1872 (fax)

CouponXpress
Coupon production
Macintosh Plus or larger; 2 MB of RAM; QuarkXPress 3.0 or later; System 6.0.5 or later.

CouponXpress is a software program that integrates database publishing with coupon production. New software-extension technology makes coupon design effortless and totally error free. The bar-code database generates bar codes with the correct number system character, manufacturer number, family code, value code and supplementary codes every time. Clearing numbers are automatically assigned, printed and tracked by both market and media to pinpoint exact coupon redemptions. The picture database archives color-separation files for each product on magnetic storage devices (hard drive, optical disk or CD) to eliminate rescanning or manual stripping of product pictures. Low-resolution screen images are located automatically and CMYK files are copied into production folders for final printing.
Call for pricing
Bar Code Systems, Inc.; 7000 Central Pkwy., Ste. 1210; Atlanta, GA 30328; 404-399-5921, 800-883-8300 or 404-399-7837 (fax)

CutIt 4.0
Stand-alone signmaking software
Macintosh Plus or larger; 2 MB of RAM; Adobe Type Manager 2.0.

Designed for the signmaking power user, CutIt is a powerful, but easy-to-learn, complete sign graphics system. It includes all the enhanced conversion/output features of MacSign Professional: key entry from the limitless library of supported Type 1 typefaces; import graphics from the limitless world of PostScript artwork; plot artwork on a single page or assemble multiple segments; selectable scaling with absolutely no scaling limits; complete color handling with automatic color separations; choose precision or automatic overlapping or perfect nesting of colors; automatic step and repeat option with tagging; engraving fill option produces reliefs in two axis milling; Engraving Tool Library supports dimensional and working features. CutIt extensions include: built-in text editor (compatible with all ATM Type 1 fonts); direct control over font, size, leading, kerning and alignment; text and artwork can be directly distorted, stretched, rotated and mirrored; automatic inline-outline of any text or artwork; precision measurement tool in inches, millimeters or centimeters; and zoom — includes five levels of magnification (200 to 1,000 percent).
$1,299 retail
$900 retail; upgrades from MacSign
$700 retail; upgrades from MacSign Professional
SofTeam USA, Inc.; 3000 Chestnut Ave., Ste. 100A; Baltimore, MD 21211; 410-243-1130 or 410-467-9552 (fax)

CutServer
Computer-aided signmaking software
Macintosh Plus or larger; 1 MB of RAM; color recommended.

CutServer allows signmakers to have one computer process all files that need to be cut. When the file is ready to be cut, users send it to a computer across the network, which can handle plot jobs generated from FlexiSign. CutServer helps to simplify the process of cutting files from multiple computers. Using CutServer, users can send files from any number of computers to a single cutter. If there are several cutters on the network, multiple stations can be used. Files can be cut by queue order, color or priority. CutServer monitors inventory by informing users of the total media length needed for each color, as well as notifying them when to load new media.
$550 retail
Amiable Technologies, Inc.; Scott Plaza Two, Ste. 625; Philadelphia, PA 19113; 610-521-6300 or 610-521-0111 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

DavkaGraphics Deluxe
Judaic graphics for use with Brøderbund's Print Shop Deluxe
Macintosh LC or larger; Brøderbund's The Print Shop Deluxe; System 7.0 or later.

DavkaGraphics Deluxe is a series of beautifully-illustrated Judaic graphics for use with Brøderbund's Print Shop Deluxe. DavkaGraphics Deluxe : Judaica includes 99 full-color graphics. These square, border, column and backdrop graphics contain images relevant to all aspects of Jewish life, such as ritual objects, people and places. DavkaGraphics Deluxe also includes three Hebrew TrueType fonts that print out in any size, with crisp, smooth edges.

DavkaGraphics Deluxe: Israel & Holidays includes more than 100 square border, column and backdrop graphics about Israel and the Jewish Holidays for use with Brøderbund's Print Shop Deluxe. DavkaGraphics Deluxe also includes one Hebrew TrueType font that prints out in any size, with crisp, smooth edges.
$24.95 retail; Judaica
$24.95 retail; Israel & Holidays
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

Design ToolKit
Graphic library
Macintosh Plus or larger; CD-ROM drive.

The Design ToolKit CD-ROM supplies a professionally-designed, precisely-drawn graphic library. Users can create dynamic layouts, publications and presentations using any of the more than 1,600 editable black and white EPS and TIFF images and four fonts. The Design ToolKit contains art lettering, borders, dingbats, fonts, frames, full-page patterns/textures, labels, ornamental titles in a variety of styles, such as abstract, classical, didot, embossed, engraved, ethnic, familiar objects, Greco Roman, Koloss, Medieval, Nouveau, Renaissance and many others. All of these are easily accessible through the Aldus Fetch catalog, which is included.
$79.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Design ToolKit Pro
Graphics library
Macintosh Plus or larger; EPS-capable graphic editing or layout software; CD-ROM drive.

The Design ToolKit Pro CD-ROM is a two CD-ROM set that supplies a professionally-designed, precisely drawn graphics library of more than 3,800 images for desktop publishing, electronic color prepress, multimedia and presentations. Users can create dynamic layouts, publications and presentations with these editable black and white and color EPS and TIFF images. Four special bonus Type 1 fonts are also included. Design ToolKit Pro contains art lettering, borders, fonts, frames, full page patterns/textures, labels, tiles in a variety of styles and much more. All of these are easily accessible through the color thumbnail browser catalog.
$99.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Design Works
Graphic arts studio on disk
Any Macintosh; laser printer recommended.

Design Works is a graphic arts studio on disk, designed to make a user's desktop publishing more dynamic and successful. This growing collection of high-quality EPS clip art covers a range of topics, including full-page designs, brochure layouts and greeting headliners. Also featured is the complete collection of world universal signing symbols, each in three formats. The unique advantage, however, is that users can make requests — if an image is not available, Showker Graphic Arts & Design will create it. Users are invited to send sketches, ideas, clippings or company product photo slicks, and the company will create the graphics for their use on disk. The company can also "imbed" PostScript into Microsoft Word or other programs that do not support EPS files. Free information and a brochure are available upon request.
$19.95 retail
Showker Graphic Arts & Design; 15 SouthGate Ct.; Harrisonburg, VA 22801; 703-433-8402

Desktop Publishing CD-ROM 3.0
Clip art files, laser fonts, demos and more
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; CD-ROM drive.

Desktop Publishing CD-ROM contains more than 2,200 EPS clip art files; more than 300 laser fonts in Type 3, Type 1 and TrueType format; Educorp's Graphic Designs clip art volumes 1 through 5; Aircraft EPS graphics; Stamps of the World in color and gray scale; and utilities specifically set up for desktop publishing use. Also included are demos of various programs relating to desktop publishing. Desktop Publishing CD-ROM contains the Educorp CD sampler and a HyperCard browser that allows users to preview fonts, clip art, copy files and folders to a hard disk drive and perform a slide show for either clip art or fonts.
$99.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

■ DP/Studio
Prepress production
Macintosh II or larger.

DP/Studio is a software package to manipulate images, scan, assemble pages, perform automatic trapping and merge desktop pages. DP/Studio provides the tools for complete prepress production combined with the power of a multitasking Unix workstation. This system allows users to meet production demands quickly, interface directly with ColorGetter scanners and ColorSetter imagesetters, as well as other input and output devices through industry standard protocols. DP/Studio offers many workflow options in a single product: QuickPage, for fast image replacement on layouts; AutoMerge and Trap, with user-definable automatic or manual trapping; and PowerStrip for complete electronic page assembly. Tools for color correction, sharpening and separation can be used with the ColorGetter scanner interface and with pre-scanned images. DP/Studio provides productive tools for retouching, compositing, editing linework, colorizing and data compression techniques for fast file handling. It links with desktop prepress and other high-end systems, ensuring smooth integration with existing workflows.
Call for pricing
Optronics, An Intergraph Division; 7 Stuart Rd.; Chelmsford, MA 01824; 508-256-4511 or 508-256-1872 (fax)

DPI Art-Scan Professional
Scanning software for line art, gray-scale and color originals
Macintosh with 68030 processor or faster; 8 MB of RAM; hard disk drive; System 6.0.5 or later.

DPI Art-Scan Professional is a scanning application for the Macintosh designed for use with the DPI Art-Getter 24- and 30-bit scanners, as well as the Agfa Arcus Plus, UMAX and Relisys scanners. These scanners are designed to scan line art, color and gray-scale originals. DPI Art-Scan Professional allows users to scan line art at very high resolutions and converts them automatically to PostScript art. This eliminates the need for redrawing original art work, saving users hours of time. Features include: scans directly to Adobe Illustrator EPS files; automatically rotates scans to straight positions based on the image's outline; able to zoom in on part of an image and then magnify it up to a full screen using screen or actual resolution; able to sharpen blurred images; preview full screen, even on two-page displays; virtually unlimited resolution; automatically sizes scan to desired output size; descreen tint screens and moray patterns; scans photos to 256 levels of gray; able to modify gamma setting to eliminate dark scans; and able to enhance highlights, RGB, midtone and shadow levels. Art-Scan Professional is an Adobe Photoshop Plug-In Module (PIM).
$395 retail
DPI Electronic Imaging Systems; 7164 Beechmont Ave., Ste. 101; Cincinnati, OH 45230; 513-231-1231, 800-597-3837 or 513-231-5618 (fax)

Dr. Tomorrow's Lessons From The Future
450+ articles of "clip text"
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive; word processor capable of reading ASCII text.

Dr. Tomorrow's Lessons From The Future, by futurist Frank Ogden, is a collection of more than 450 of the author's articles written since 1988 provided in ASCII text. Each Gold Edition ISO-9660 CD-ROM is individually signed and numbered by the author. No more than 777 discs will be produced. It includes advance permission to include, free of charge, one article per issue in any printed publication of less than 2,000 pieces. Ideal for corporation newsletters, 150 of the articles are available in Spanish, as well as English.
$250 retail
Polar 7 Enterprises; 1237 Nestor St.; Coquitlam, BC, Canada V3E 1H4; 604-944-8001 or 604-944-8003 (fax)

DTP Toolbox
PageMaker templates, illustration libraries, tutorial information and support utility programs
Macintosh Plus or larger; hard disk drive; CD-ROM drive.

The DTP Toolbox CD-ROM features PageMaker templates, illustration libraries, tutorial information and support utility programs to make desktop design a little easier. Included are templates for flyers, brochures, newsletters, business forms, stationery, display ads, press releases and other business-related literature. An indexed electronic catalog shows every design element and gives tips on modifying each design. Image Express credits allow users to purchase only the designs that meet their needs.
$99 retail
Image Express, Inc.; 24165 Interstate 10; San Antonio, TX 78257; 210-537-5009 or 210-537-4952 (fax)

The Duxbury Braille Translator
Produces braille from print, or vice versa
Macintosh 512KE or larger; System 4.2 or later.

The Duxbury Braille Translator features highly accurate translation of the phonetically-based English Braille literary code in either American or British style, Computer Braille Code, braille to print translation, textbook-style formatting, grade-one transcription of embedded foreign languages, preview of formatted braille documents and more. All of this is accessible through a standard Macintosh-style user interface, which is compatible with accessibility aids via speech or enlargement.
$495 retail
Duxbury Systems, Inc.; 435 King St.; PO Box 1504; Littleton, MA 01460; 508-486-9766 or 508-486-9712 (fax)

EGBook 1.6
Page-layout program in Japanese
Macintosh Plus or larger; 2 MB of RAM (4 MB recommended); hard disk drive; supports KanjiTalk 6.0.4 or later.

EGBook is a desktop publishing page-layout program in Japanese. As easy to use as a word-processing application, it supports vertical writing, find and replace feature, text importing and graphic importing. It comes with EGBridge. EGBook has a paste and link feature to work automatically with EGWord files. Graphics may be PICT, PICT 2, TIFF and EPSF. The program has basic drawing capabilities, can set kernings, enlarge fonts to 127 points and has header and footer features.
$570 retail
CCIC; 605 Addison St., Ste. A; Berkeley, CA 94710; 510-548-2242 or 510-843-5173 (fax)

Ektron 1400-Series Plug-In
Software driver
Macintosh II or Quadra family.

The Ektron 1400-Series Plug-In is a software driver that allows control of the Ektron line of scanners through Adobe's Photoshop image editing package. This easy-to-use, menu-driven software module provides the following features: automatic calibration and color balance; preview and detail modes for selection of area of interest; resolution selectable up to 4,096 by 4,096 pixels; 24-bit color, 8-bit gray-scale or 1-bit line-art scans; and 36-bit to 24-bit logarithmic compression makes it possible to use the full radiometric capability of the Ektron line of scanners.

$395 retail
Ektron Applied Imaging, Inc.; 23 Crosby Dr.; Bedford, MA 01730; 617-275-0475, 800-735-8766, ext. 21 or 617-271-1860 (fax)

■ **Electronic Border Tape**
101 decorative borders and frames
Macintosh Plus or larger; 5 MB of RAM; QuarkXPress 3.0; System 7.0 or later.

Electronic Border Tape is a collection of 101 decorative borders and frames for the QuarkXPress power user. The designs from EBT will give users' work a polished, professional look. They range from simple and elegant to fancy and flashy; and some are just visual fun. There are also designs appropriate for all the major holidays.
$99 retail
ShadeTree Marketing; 5515 N. 7th St., #5-144; Phoenix, AZ 85014; 602-279-3713, 800-678-8848 or 602-279-1874 (fax)

■ **Epilogue**
Translates all types of PostScript and EPS files
Macintosh with 68020 processor or larger; 12 MB of RAM; 120 MB of free hard disk space; System 7.0 or later; Adobe Photoshop 2.0 or later recommended.

Epilogue is exciting and functionally important because it allows users to translate all types of PostScript and EPS files, including QuarkXPress and FreeHand EPS files. It is a complete, Adobe-certified PostScript interpreter and overcomes all the limitations of the EPS Rasterizer within Adobe Photoshop. RIP resolution and virtual page size is limited only by available hard disk space. Epilogue allows for complete PostScript-based production workflow when used with other Macintosh applications. The Epilogue package includes: the Epilogue Server, which is the network-accessible software-based PostScript interpreter; Epilogue PS, the Adobe Photoshop plug-in module; and the Epilogue FASTview application that allows users to preview PostScript and EPS files.
$895 retail
Total Integration, Inc.; 334 E. Colfax St., Ste. A-1; Palatine, IL 60067; 708-776-2377 or 708-776-2378 (fax)

EPS Exchange 2.0
Allows FreeHand drawings to be exported for use in Illustrator 88 and Illustrator 3
Macintosh Plus or larger.

EPS Exchange is a software utility that provides a complete bridge between the two most popular Macintosh PostScript language illustration programs: Aldus FreeHand and Adobe Illustrator. EPS Exchange extends the functionality of Aldus FreeHand 3 by providing the ability to open, as well as generate, Adobe Illustrator 88 and Adobe Illustrator 3 documents. Users can increase their productivity and creative potential by using both PostScript drawing programs to create a single design.
$149 retail
Altsys Corp.; 269 W. Renner Pkwy.; Richardson, TX 75080; 214-680-2060 or 214-680-0537 (fax)

EPSCataloger
EPS cataloging program
Macintosh Plus or larger; HyperCard 2.1 or later; System 6.0.5 or later.

EPSCataloger is a HyperCard-based EPS cataloging program. Users put a copy of EPSCataloger into folders that contain EPS files. After doing this, users can easily create new catalogs or updates by launching EPSCataloger and pressing one button.
$14.95 retail
Handcraftedfonts Co.; PO Box 14013; Philadelphia, PA 19122

Evolution 2.0
True Type font conversion utility
Macintosh Plus or larger; hard disk drive.

Evolution is a multiformat font conversion utility that puts sharp, easy-to-read display text for all fonts at a user's fingertips, in the format of their choice. Users can easily convert between TrueType, Type 1 PostScript and Type 3 PostScript. Type 1 fonts produced by Evolution are completely compatible with Adobe Type Manager, and both Type 1 and TrueType fonts are System 7 ready. The capability to convert between font formats means that any font can be printed on any printer. Evolution does not rely on a PostScript printer to process a font, enabling it to run on any Macintosh or Macintosh network.
$79 retail
$10 retail; with any font purchase
Image Club Graphics; 729 24th Ave. SE; Calgary, Alberta, Canada T2G 1P5; 403-262-8008, 800-661-9410 (orders & free catalog) or 403-261-7013 (fax)

■ **Exposé**
Create catalog of graphics files
Macintosh II or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

Exposé does the tedious part of cataloging graphics files. With Exposé, creating a catalog of graphics is simple and very flexible. Users build a QuarkXPress master page that will be used for each page of the catalog. Through Exposé preferences, users choose whether to include the full path name, the date the graphic was most recently modified, the file size, the file type and the fonts embedded in any EPS files. Users may also choose to have the graphic scaled to fit the box in the catalog. Users tell Exposé where to find the graphics for the catalog and the XTension imports all graphics in the designated folder or folders, adding information requested through the preferences dialog.
$129 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

File Transmission Software
PostScript-language file and typeface downloader
Macintosh Plus or larger; PostScript imagesetter.

File Transmission Software is a PostScript-language file and typeface downloader optimized for speed. FTS allows batch processing and file tracking. Users can queue a number of jobs before they go home in the evening and, when they come in the next morning, they can review the job tracking report to see how long each job took and whether any errors occurred.
$247.50 retail
Technical Publishing Services, Inc.; 739 Bryant St.; San Francisco, CA 94107; 415-512-1230 or 415-512-1232 (fax)

FilmSaver (Mac)
Groups and rotates PostScript pages from desktop publishing and typesetting products
Macintosh SE or larger.

FilmSaver is a software program designed to group and rotate PostScript pages from desktop publishing and professional typesetting products so that when output, the full width of the imaging material is used. By grouping the pages and rotating them, landscape or portrait to fit the width and imaging depth of the device, FilmSaver makes more economical use of the material while also saving on imaging time. Time is saved because laser imagesetters record across the width of material at the same speed regardless of the data being imaged; the time it would take to image an entire job is cut in half if as little as two pages are put up across the width of the imagesetter. FilmSaver supports 54 publishing packages, including PageMaker, QuarkXPress, Ventura, Adobe Illustrator and FrameMaker.
$995 U.S. retail
Ultimate Technographics, Inc.; 800 Rene Levesque Blvd., Ste. 2660; Montreal, Quebec, Canada H3B 1X9; 514-954-9050, 800-363-3590 or 514-954-9057 (fax)

FlexiCut
Computer-aided signmaking software
Macintosh SE/30 or larger; 2 MB of RAM; hard disk drive.

FlexiCut can open/merge files from Illustrator, FreeHand, LetraStudio, Canvas or TypeStyler. It automatically layers colors and uses Beziér curves to maintain smooth curves and sharp corners for precision cutting. FlexiCut comes complete with border and magnifying tools and included a vinyl library that lists major vinyl vendors and their product lines. For layout purposes, FlexiCut can show gridlines and features "snap to grid" so everything is aligned to specified grid. Objects can be scaled, mirrored and rotated. When scaling, one dimension can be reset and the other will resize proportionately. FlexiCut has a variety of registration marks with specifiable sizes. Automatic Cutting cuts either the active color or all color layers, and Automatic Paneling puts a weeding border around any color layer. Unlimited split lines in both horizontal and vertical directions can be dragged to any position. When preparing to cut, different panels can be X'd out, saving vinyl. FlexiCut's print feature automatically fits a design to a page for impressive presentations. A built-in tutorial guides users through FlexiCut's computerized signmaking. FlexiCut can be upgraded to any Flexi, computer-aided software including FlexiLetter, FlexiSign, FlexiSign Plus and FlexiSign-Pro for professional signmakers.
$499 retail
Amiable Technologies, Inc.; Scott Plaza Two, Ste. 625; Philadelphia, PA 19113; 610-521-6300 or 610-521-0111 (fax)

FlexiSign-Pro
Full-featured graphical design program
Macintosh SE/30 or larger; 12 MB of RAM; hard disk drive; math coprocessor.

FlexiSign-Pro is a full-featured graphical design program that incorporates full-scale layout features with powerful creation tools. An industry leading raster-to-vector conversion utility anchors a solid palette of useful and extensive tools. Import and export to/from all common file formats. FlexSign-Pro seamlessly integrates complete drawing and editing tools, color layering and separations, object and character alignments and scaling tools into a user-friendly interface. FlexiSign-Pro also includes a vinyl color library and 70 specific built-in plotter/cutter drivers. Once created, designs can be output to vinyl signage, films for screen printing, sandblast masks, heat transfer flocks and color comps. Interactive control of the plotter includes automatic and manual paneling, plot by color, registration marks, rotations and step & repeat. FlexiSign-Pro is available for Macintosh, Power Mac and PC computers. It comes equipped with 600 Type 1 fonts, ATM, and 600 clip art images, a 30-day money-back guarantee, and one year of toll-free technical support.
$3,999 retail
Amiable Technologies, Inc.; Scott Plaza Two, Ste. 625; Philadelphia, PA 19113; 610-521-6300 or 610-521-0111 (fax)

■ **FlexScale**
Allows scaling at output
Macintosh II or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

FlexScale allows a QuarkXPress document to be scaled when it is output to a printer. The vertical and horizontal scaling percentages are independent from one another. The document can be scaled between 50 and 150 percent. To use FlexScale, users hold down the option key while selecting the Print command and enter the desired scaling percentage into the FlexScale dialog. The scaling percentages do not have to be identical. However, they must be between 50 and 150 percent. The scaling percentages can contain a decimal — the percentage sign is not mandatory. Users click on the Print button to continue the printing process or click on the cancel button to stop FlexScale. After clicking on the Print button, the printing process continues normally except that the output is scaled.
$59 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ **Fontasy**
Access character fonts from palette
Macintosh II or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

When users are in QuarkXPress and need to access a dingbat or an unusual character in one of the fonts, they can turn to Fontasy. Fontasy lets users access all of the characters of a font from a convenient palette. With the Fontasy XTension, users can add a character to their document with a click of the mouse, then go back to work instantly. Fontasy displays characters from a font two different ways. A scrolling window lets users scroll through a list of the characters for selection. For the quickest access to all of the characters in a font, a small dialog displays a whole character set at once so users can pick out the character they need. To insert a character in a document, users just click on the desired character, either in Fontasy's scrolling list or in the

These Products Available Through Bottom Line Distribution
1-800-347-1923

character display dialog. The character is automatically inserted wherever the text cursor is in QuarkXPress.
$59 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

FontChameleon
Lets users build billions of different fonts from one master font outline
Macintosh Plus or larger; 2 MB of RAM; floppy disk drive and hard disk drive; System 6.0.7 or later.

FontChameleon lets users build billions of different fonts from one master font outline. Users simply click on the font they want and the format they want to try their font in — PostScript Type 1 or TrueType — and FontChameleon will do the rest. FontChameleon lets users blend between any of the fonts in its extensive font selection listing. FontChameleon's features include: preset font selections, exceptional font quality, customize and blend between fonts, match an existing PostScript font and cross-platform support.
$295.95 retail
Ares Software Corp.; 565 Pilgrim Dr., Ste. A; Foster City, CA 94404; 415-578-9090, 800-783-2737 or 415-378-8999 (fax)

FontMonger 1.5.9
Font conversion and modification utility
Macintosh Plus or larger; 1 MB of RAM; two floppy disk drives; System 6.0.2 or later.

FontMonger incorporates significant advances in font conversion capabilities. It can convert font files in any direction between Adobe PostScript Type 1, Adobe PostScript Type 3, Nimbus Q and TrueType. In addition, it also converts font files from Agfa Intellifont, LaserMaster LXO and Corel Corporation's WFN into any of the other formats. Fonts can be converted from and written for the Macintosh, IBM PC and compatibles and NeXT platforms. FontMonger has a streamlined batch conversion feature that automatically locates all the fonts on a user's hard disk and prepares them for conversion. It uses the outline files of the font; screen font files are no longer required. Additional user interface improvements include a resizable keyboard and alter character window; and a character chart display that shows the font in a 16 by 16 matrix. FontMonger also includes a sophisticated set of drawing tools that enable the creation of character outlines from scratch or enable existing font outlines to be modified. Outline editing tools include a pen tool for drawing outlines; a scissors tool for adding or deleting points; a unique "gizmo" tool that lets outlines or outline segments be rotated, slanted or skewed; and a "merge outlines" feature that automatically removes overlapping outline segments.
$149.95 retail
Ares Software Corp.; 565 Pilgrim Dr., Ste. A; Foster City, CA 94404; 415-578-9090, 800-783-2737 or 415-378-8999 (fax)

Fontographer 4.0
PostScript and TrueType font editor
Macintosh with 4 MB of RAM or larger.

Fontographer is the easiest way to modify and create typefaces. Fontographer allows users to open and edit PostScript and TrueType fonts, make their changes and then create new ATM-compatible PostScript and TrueType fonts. Users can even open and create PC-Windows PostScript and TrueType fonts. Users can use Fontographer to easily bring in scanned images for auto-tracing or create new typefaces automatically with Fontographer's Change Weight feature. Users can even blend two typefaces to make a third. Best of all, Fontographer has a complete tool palette of object-oriented drawing tools, including squares, circles, multigon tool for creating many-sided figures, ruler tool and even a calligraphy pen. With Fontographer, it's easy to add signatures, fractions, special symbols and logos to a user's favorite typefaces. Other Fontographer features include automatic hints, an integrated bit-map editor, Multiple Master support, a spacing and kerning window, Auto Space and Auto Kern commands.
$495 retail
Altsys Corp.; 269 W. Renner Pkwy.; Richardson, TX 75080; 214-680-2060 or 214-680-0537 (fax)

FotoTune
Color management software
Macintosh II family.

FotoTune is the color characterization member of Agfa's Color Management system. FotoTune defines the color characteristics or color gamuts of any color device (RGB input, monitor, output). FotoTune includes generic tags for Agfa scanners, printers and monitors and enables end users to generate customized ColorTags for their input devices (scanners). These ColorTags can then be combined to form ColorLinks between the devices.
$395 retail
Agfa Division, Miles Inc., Graphic Systems; 100 Challenger Rd.; Ridgefield Park, NJ 07660; 201-440-2500, 800-685-4271 or 201-440-8187 (fax)

FrameMaker 4
Desktop publishing
Macintosh SE and Power Macintosh.

FrameMaker is a powerful, WYSIWYG publishing package designed for creating professional-looking business and technical documents of any length. It combines full-featured word processing, graphics, page layout, tables, equations editing and book building tools into one integrated package. Features include: publication-quality typography, font sizes from 4 to 400 points, mixed page orientations, zoom capability, cross referencing and footnotes, FrameMath equation editor, spot color separations, spell checking and hyphenation control. FrameMaker is available in U.S. English, U.K. English, French, German, Italian and Swedish. International dictionaries are available for spelling and hyphenation in 11 languages.
$895 retail; U.S. Version
$1,250 retail; International Version
$195 retail; International Dictionaries
Frame Technology; 1010 Rincon Cir.; San Jose, CA 95131; 408-433-3311, 800-843-7263 or 408-433-1928 (fax)

Fræmz
101 decorative borders
Macintosh Plus or larger; 5 MB of RAM; PageMaker 4.2; System 7.0 or later.

Each Fræmz library is a collection of 101 decorative borders that range from fancy and flashy to just visual fun. Fræmz Library I contains general purpose borders (like a lot of the old border tape), holiday, hearts, musical notes, arrows, rope, circles, squares, boxed, diamonds and the infamous coupon border. Fræmz Library II contains banners, certificate, parchment, bubbles, sporting, southwest, environmental, cats, butterflies, dolphins, more animals, children's, more musical notes, happy faces, computer, cards, wedding and more holiday borders. Fræmz Library III contains geometrical, Greek, oriental, picture frame, note pad, railroad track, fancy corner, stars, crosses, more arrows, fancy circles and squares, male and female signs, yin/yang and a handicapped access border.
$99 each retail
ShadeTree Marketing; 5515 N. 7th St., #5-144; Phoenix, AZ 85014; 602-279-3713, 800-678-8848 or 602-279-1874 (fax)

Full Auto-Frame Trapping
Professional trapping software
Macintosh IIfx or larger; 8 MB of RAM; 150 MB hard disk drive.

Full Auto-Frame is professional trapping software for the Scitex/Macintosh computer-based RIP, which automatically creates traps between color areas on a page. Trapping PostScript files from any PostScript-generating workstation (Apple, IBM, Sun, etc.) or desktop application (QuarkXPress, Adobe Illustrator, Aldus PageMaker, Aldus FreeHand, etc.), Full Auto-Frame is application-independent software that can be used as either an interactive or automated production tool. By employing a set of user-controllable parameters, which determines when a trap is needed, whether a spread or a choke is required, the tint values and the trap widths, Full Auto-Frame creates overlaps and underlaps automatically. As a production option, Full Auto-Frame can be bypassed or a different set of parameters applied to each file.
Available with Scitex Dolev imagesetter, Available for Power Mas users
Scitex America Corp.; 8 Oak Park Dr.; Bedford, MA 01730; 617-275-5150 or 617-275-3430 (fax)

GraphicImpact!
Page design elements
Macintosh Plus or larger; 4 MB of RAM; CD-ROM drive.

The GraphicImpact! CD-ROM supplies users with the page design elements that they need to create truly stunning layouts. Unlike other images based on TIFF or PICT formats, these EPS images are 100 percent resizable, stretchable, and can be rotated with no image degradation, "jaggies" or pixelization. Included are: 150 original color and black and white EPS design elements and backgrounds; more backgrounds in marble, chrome and neon; and a wide array of lettering styles, images and backgrounds in marble, chrome and neon. Lettering includes the complete alphabet, plus grammatical symbols and numbers.
$129.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

■ **Grid Master**
Creates equally-spaced grids or picture boxes
Macintosh II or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

Grid Master is an XTension for QuarkXPress that creates equally-spaced grids of text or picture boxes two ways. The XTension can create boxes or grids of boxes in a defined area when given the number of boxes and gutter width across and down. Grid Master lets users fill an area with equally-sized and spaced boxes, or they can create a grid of boxes of a size they choose. Users create a prototype box, then tell Grid Master how many boxes to create in the grid across and down, and specify the gutter width. Grid Master creates new boxes from the prototype created, generating a grid of boxes automatically.
$49 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

Grids&Guides
Positions guidelines
Macintosh Plus or larger; 2 MB of RAM.

Grids&Guides offers a simple, precise and versatile solution to the problem of accurately positioning guidelines using the edit tool and screen rulers. This XTension adds two menu items to the Quark Utility menu, Create Page Guides and Create Page Grids. Features include: specify guideline positions using any valid Quark measurement system; vertical or horizontal selection; movable dialog boxes; pageguides or spreadguides (which extend onto the pasteboard); six color choices; can be applied to current page, specific page, all pages or range of pages; if range of pages is specified, even or odd only can be selected; apply button (Create Page Guides only); column/row-based grids allow selectable gutter widths; selectable page margins default to document settings; and both utilities work with normal document pages, as well as Master pages.
$49.95 retail
Liberty Engraving; 1112 S. Wabash Ave.; Chicago, IL 60605; 312-786-0600 or 312-786-0621 (fax)

■ **Guide Master**
Assists in control of QuarkXPress page guides
Macintosh II or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

Guide Master offers users control over their standard QuarkXPress page guides. The XTension lets users control the color of the standard page guides and also provides three custom-colored page guides so they can see the layout of their guides at a glance. Users can print out a list of guides in their document or lock them in place. Additionally, an entire spread of guides may be saved to a data file for later use. The grid utility automatically creates an even grid of page guides. Users can create a grid of guides by specifying the interval between the guides, or an area can be divided evenly with a user-defined number of guides. Guide Master also includes an item guides feature that enables users to effortlessly create four guides along the sides of a selected text or graphic box.
$59 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

Helios OPI
Desktop publishing document server and printing enhancement system
Macintosh Plus or larger; System 6.0 or later.

Helios OPI (Open Pre-press Interface) is a high-performance desktop publishing document server and printing enhancement system based on Unix computers that have been equipped with EtherShare. Helios OPI server creates small layout images (up to 10 percent of original), which are sent from the server in place of the full-color files to a user's DTP package. These images contain all the image information necessary to view, place and crop a DTP document. OPI is a standard developed at Aldus Corp. to reduce layout, placement and printing wait time. Helios OPI server also provides full support for Quark's Desktop Color Separation (DCS) standard. Helios OPI server allows direct access to DTP files that are based on TIFF and EPSF. In contrast to other systems, the Helios OPI server performs all cropping within the OPI server — not within the print engine — further reducing print time. Helios OPI server runs as a separate set of processes under Unix. The full functionality of the Unix host is always available to other applications, and support for multiprocessor CPUs is automatic. Helios OPI server's companion product is EtherShare, which provides the file and management interface for the PostScript print spooling services.
$8,000 retail
Helios USA; 10601 S. DeAnza Blvd., Ste. 103; Cupertino, CA 95014; 408-864-0690 or 408-864-0694 (fax)

■ HyphenSet
Makes hyphenation and justification settings simple
Macintosh II or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

The HyphenSet XTension makes the intensive work of getting letter spacing and word spacing less stressful by saving users some of the steps QuarkXPress forces them to perform to use and manipulate the Hyphenation and Justification setting. With HyphenSet, applying an H&J setting is as easy as a click of the mouse button with the convenient HyphenSet palette. The HyphenSet palette displays a list of all of the current document's H&J settings; users just click on the one they want. HyphenSet also makes it easy to access the H&J Settings dialog. Instead of mousing up to the menu bar to find the menu command, users simply hold down the command key and click on the HyphenSet palette. The H&J Settings dialog appears immediately. HyphenSet makes it easier than ever to produce the finest-looking documents with QuarkXPress.
$49 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

The Illustrated Handbook Of Desktop Publishing & Typesetting
Reference source for desktop publishing
Macintosh Plus or larger; hard disk drive; CD-ROM drive.

The Illustrated Handbook of Desktop Publishing & Typesetting CD-ROM contains all the information from the 1,088-page printed version, including 1,348 illustrations, all readily accessible through HyperCard 2.0. Users can search the entire text for any word or phrase, or use any of thousands of built-in links to navigate this reference within the rich hypertext environment of HyperCard. Features include: word processing as a part of typesetting; word and text processing programs; text creation, generation and reformation tools; optical character recognition; content creation; telecommunications methods; connectivity; data manipulation and conversion; CD-ROM; typesetting hardware tools; professional typesetting software for personal and professional; applications; specialized typesetting languages; desktop typesetting; desktop publishing; commercial clip art gallery; PostScript typeface specimens; desktop publishing skills; special effects typography; typesetting decisions; and more.
$99.95 retail
Highlighted Data, Inc.; 6628 Midhill Pl.; Falls Church, VA 22043; 703-533-1939 or 703-533-2039 (fax)

IMPosing Color System
Tools to import high-resolution tone (CT) images from CEPS systems and high-resolution scanners and to incorporate them with DTP pages
Macintosh IIfx or larger; 32 MB of RAM; 600 MB hard disk drive.

IMPosing Color System has tools to import high-resolution tone (CT) images from CEPS systems and high-resolution scanners and to incorporate them with DTP pages. Users can also use the Macintosh retouching tools if they need to edit images. IMPosing Color System combines these abilities with its own powerful PostScript RIP. IMPosing Color System can also import line work (LW) files from the CEPS systems. IMPosing Color System can composite all of this data together and allow users to preview, edit, proof, trap and output individual pages or complete plates.
Call for pricing
Ultimate Technographics, Inc.; 800 Rene Levesque Blvd., Ste. 2660; Montreal, Quebec, Canada H3B 1X9; 514-954-9050, 800-363-3590 or 514-954-9057 (fax)

ImPress
Automates the task of stripping QuarkXPress pages into signatures
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; QuarkXPress 3.1 or later.

ImPress automates the task of stripping QuarkXPress pages into signatures. It automatically imposes pages into a variety of standard signature arrangements, including sheetwise, work-and-turn and work-and-tumble. All positioning and rotation of pages is handled automatically in a separate document, leaving the original document intact. Full editing capabilities are maintained in the original document, allowing the "ImPressed" document to be saved to disk or printed using the various print options available from with QuarkXPress. Capable of handling very complex signatures, ImPress remains quite simple to operate. All variables, such as style of signature, output device and collation method are presented in one easy-to-view dialog box. Users requiring control over page creep and bleed values, as well as fold and trim tolerances, may set these values directly. ImPress not only creates signatures, but also reduces media costs by efficiently ganging multiple pages on a single spread. In addition, ImPress provides a "Print Area" function that allows users to print specific portions or selected items from a page. Changes to documents are made much more efficiently by not burdening a user with the overhead required in printing entire pages.
$249 retail
XTend, Inc.; 2215 Polk Ave.; PO Box 7273; North Brunswick, NJ 08902; 908-821-6400 or 908-821-6801 (fax)

Imprint
Multilingual word processing and page composition package
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.

Imprint is a multilingual word processing and page layout application. It offers all conventional word processing and page layout features present in such packages as PageMaker and Ready,Set,Go! What distinguishes Imprint is its ability to provide this power in all languages and scripts available on the Macintosh. Imprint, which supports text entry in left to right, right to left, top to bottom and bottom to top modes, allows users to create pages that combine such diverse languages as Chinese, Japanese, Hebrew, Arabic, English, etc. Imprint provides an array of tools to create, mix and manipulate text, graphics and picture objects. Text can be made to wrap around from any or all sides. Imprint is also available as language-specific versions — Chinese, Japanese and Arabic. In these language Imprints, users have a choice of menus and all commands appearing in that particular language, rather than in English. These also offer several features, like extendible keshidas, Chinese word break table, etc., which are absolutely language specific.
$250 to $1,200 U.S. retail
Ivy Systems Limited; A-16, Aruna Asaf Ali Marg; New Delhi-110067, India; (11) 686-3306 or (11) 686-3291 (fax)

Incubator Pro 2.0
Allows users to create their own PostScript Type 1 or TrueType fonts from their existing font library
Macintosh Plus or larger; hard disk drive; System 6.0.5 or later; Apple TrueType INIT.

Incubator Pro is a fast and easy way to add thousands of combinations of high-quality PostScript Type 1 or TrueType fonts to the Macintosh. It will modify any Type 1 or TrueType font and save it in either format. Users can modify a Type 1 and save it as a TrueType font or vice versa. Or, use Incubator Pro to simply convert fonts from one format to another. Incubator Pro allows users to redesign an existing typeface by quickly adjusting any of seven typographical controls: weight, width, contrast, slant, x-height, descender and tracking. When the font looks the way a user wants, they name it, select the format and it is saved, independent of the original font. This new font can then be used in a user's favorite Macintosh program. Incubator Pro has Exact-Match, the ability to apply .AFM metrics files from one typeface to another.
$129.95 retail
Type Solutions, Inc.; PO Box 1227; Plaistow, NH 03865; 603-382-6400 or 603-382-4839 (fax)

■ IndeXTension
Creates indexes of words and phrases from QuarkXPress
Macintosh II or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

IndeXTension is an XTension that creates an index of words and phrases from a QuarkXPress document or documents. IndeXTension allows two different kinds of index markers to be added to QuarkXPress documents. One kind of index marker is an inclusive entry, which indicates a word or phrase found in the text should appear in the index. The second kind of index marker is a general entry, which allows users to create an index entry that uses words not found in the document's text. Users can use a general entry to create an index entry of "Ship" when the only reference actually found in the text is to "The Queen Elizabeth II." Index markers can be viewed in the text of a document. The markers can also be hidden so that users can observe line breaks. Once index markers are in place, the document is ready to be processed. The XTension creates the index automatically.
$99 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

INposition
Automates creation of imposed signatures
Macintosh SE or larger; QuarkXPress.

INposition is an XTension to QuarkXPress that automates creation of imposed signatures and printer spreads. This page-imposition (stripping) software does not require production of PostScript files.
$1,750 retail
DK&A, Inc.; 1010 Turquoise St., Ste. 300; San Diego, CA 92109; 619-488-8118 or 619-488-4021 (fax)

InsertSpace
QuarkXTension
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; QuarkXPress 3.0 or later.

InsertSpace is a QuarkXTension that inserts space among multiple blocks of text on a line. This is accomplished by distributing the leftover white space at one or more locations within the line. InsertSpace allows users to automate many tab setting functions now performed by QuarkXPress. This aids in the creation of bulleted text items, headers and footers, as well as assisting users in building tables from data that has been imported from spreadsheet or database files. Users maintain full editing capabilities and the ability to modify up to 21 blocks of text.
$49 retail
XTend, Inc.; 2215 Polk Ave.; PO Box 7273; North Brunswick, NJ 08902; 908-821-6400 or 908-821-6801 (fax)

Interleaf Publisher 3.6
Electronic publishing software
Macintosh II; 2 MB of RAM (or 5 MB when using Virtual 2.02 from Connectix); 40 MB hard disk drive.

Interleaf Publisher is document processing software that combines full word processing, sophisticated

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1-800-347-1923

graphics and document management features in one easy-to-use product. It has all the tools needed for the full range of corporate publishing — from one-page letters to multivolume reports. Word processing features include: unlimited document length, automatic spell check, indexing, table of contents, multilevel numbering and outlining, automatic pagination, hyphenation, justification and cross referencing. Graphics features include: data-driven charts, free-hand drawing and the capability to import CAD drawings, photographs or scanned images. A gray-scale image editor allows users to pixel edit, zoom, crop, clone and adjust the contrast of the images. In addition, the images can be rotated, stretched, sized and combined with any other text or graphics elements. The software also lets users share and manage documents among members of a workgroup.
$995 retail; software
Interleaf, Inc.; Prospect Place; 9 Hillside Ave.; Waltham, MA 02154; 617-290-0710

IslandChecker
Scans EPS files and reports information about the data contained in the file
Macintosh II or larger.

IslandChecker eliminates the costly process of preparing a file for output by allowing the tradeshop or service bureau to check an EPS file for all necessary fonts, embedded files and images prior to accepting the work at the front desk. IslandChecker scans EPS files and reports information about the data contained in the file. After loading an EPS file into IslandChecker, a log file and customer information form appears on the screen. This window displays comprehensive information regarding the contents of an EPS file. IslandChecker also accepts customer data regarding the intended output specifications and billing information. Once all of this information has been input, a hard copy of the report can be printed. IslandChecker also allows the service provider to confirm the output specifications desired by the client and include that information on a customers "job ticket."
$195 retail; single pack
$495 retail; 10-pack
Island Graphics Corp.; 4000 Civic Center Dr.; San Rafael, CA 94903; 415-491-1000, 800-255-4499 or 415-491-0402 (fax)

IslandTrapper 2.0
Creates high-quality object-based traps for all objects contained in a page
Macintosh Quadra with FPU; 32 MB of RAM; 8- or 24-bit monitor.

IslandTrapper's high-quality, object-based trapping technology is now accessible as a fully automated batch process that accepts pages, including EPS graphics, from other sources. IslandTrapper also adds the ability to automatically color separate trapped documents and output them directly to a wide range of imagesetters. The first external source by IslandTrapper's automatic batch trapping is QuarkXPress. Although QuarkXPress can trap elements generated by QuarkXPress itself, it cannot trap embedded EPS files, such as illustrations created by Adobe Illustrator or Aldus FreeHand. IslandTrapper solves this problem by enabling QuarkXPress users to easily create high-quality, object-based traps for all objects contained in a page, including embedded EPS files.
$4,495 retail
Island Graphics Corp.; 4000 Civic Center Dr.; San Rafael, CA 94903; 415-491-1000, 800-255-4499 or 415-491-0402 (fax)

■ **JobSlug**
Keeps track of document revisions and versions
Macintosh II or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

JobSlug helps users keep track of document revisions and versions by placing a custom slug on their QuarkXPress document page. To add a JobSlug to a document, users create a new text box and execute a menu command. They then choose what information appears in the JobSlug. The information is updated every time users execute the QuarkXpress command so that the information in the JobSlug is current everytime they output the document. The JobSlug can include the first and last day and time a document was saved or printed; imported graphics; fonts used; colors used; and the name of the person who has been working on the document. Users can also create up to four custom fields in JobSlug to help them track whatever information they need to know about the document. Suggested users for these fields include client name or job number.
$59 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

Kalimat 2.0
Arabic utility
Macintosh Plus or larger.

Kalimat is a powerful tool that has given users Arabic access to the most popular drawing programs, such as FreeHand, Adobe Illustrator, Photoshop and more. In addition to Arabic text entry capability that comes with Kalimat, Version 2.0 supports advanced borders creation that will not only benefit users of Arabic, but also help with all the Latin and non-Latin languages. This newly added utility will allow automatic generation of frames from border fonts, a capability previously not available on any of the above mentioned programs. There is a wide range of borders and frames that will satisfy all needs: from borders that have an oriental style to a user's own border and frame design that can be embedded in Kalimat. Kalimat is compatible with the Latin System 7.0 or later, and users can take advantage of their own Macintosh Arabic fonts.
$295 retail
Layout Ltd.; Sioufi St.; Abboud Bldg.; PO Box 165479; Ashrafieh, Lebanon; 961-1-200539 or 961-9-936439 (fax)

KEPS PCS100 Kit
Turns a Macintosh into a color workstation
Macintosh II or Quadra family.

Users can turn their Macintosh computers into color workstations with KEPS PCS100 Kit. The days of guessing about color on the desktop are over. Producing accurate, predictable and consistent four-color separations — at a low cost — is now a reality. With KEPS PCS100 Kit, designers, photographers, commercial printers or color service bureaus can receive precision color from start to finish — input to monitor to proof — every time. Users can create fast, accurate and predictable color separations and proofs on their existing Macintosh II family or Quadra systems. With KEPS PCS100 Kit, KEPS has unbundled the hardware and software components that make up the industry-leading Kodak Precision Color Management System (CMS). KEPS PCS100 Kit gives users a professional color reference for viewing and editing color. KEPS has tools to custom-calibrate just about any off-the-shelf monitor, yielding a WYSIWYG imaging environment. The on-screen output simulation operates within standard Adobe Photoshop software. KEPS high-end color separations are field-proven throughout the graphic arts industry. PCS100 delivers that same quality and productivity demanded by PostScript service bureaus, color separators, trade shops, newspaper publishers and commercial printers, on a standard Macintosh desktop.
$11,700 retail
KEPS, Inc.; a Kodak Company; 164 Lexington Rd.; Billerica, MA 01821; 508-667-5550, 800-345-6649 or 508-670-6552

KEPS Professional Color Server XL
Full-function OPI server
Any standard RGB or CMYK TIFF input and standard PostScript output.

Successful electronic color publishing relies on a simple rule of thumb — move little data, as seldom as possible. However, in most shops, the requirement is to quickly move enormous amounts of data just about everywhere at once. The answer is Open Prepress Interface (OPI) serving to minimize data movement and speed a user's workflow up to 800 percent. And the OPI server that utilizes the power of Sun technology to handle from the most simple to the most advanced requirements — while providing a platform to new color technology — is the KEPS Professional Color Server XL. The KEPS Professional Color Server XL operates in color-calibrated Macintosh and non-color-calibrated Macintosh environments. In non-calibrated environments, the KEPS Professional Color Server XL is a low-cost, full-function OPI server. However, in calibrated environments using PCS100, users can choose to integrate any other calibrated KEPS product. For instance, users can move to Prophecy color workstations and use the PCS100 as remotes, or integrate KEPS Page Composer or page assembly station, eliminating stripping, the single biggest bottleneck in most shops. KEPS provides tremendous flexibility for future growth. Because the KEPS Professional Color Server XL operates in a referenceable CIE-based color space (the foundation of all future color technology solutions), users can take advantage of new products as they become available, such as batch Photo CD processing and Print Photo CD.
$55,000 retail
KEPS, Inc.; a Kodak Company; 164 Lexington Rd.; Billerica, MA 01821; 508-667-5550, 800-345-6649 or 508-670-6552

Kodak ColorSense Color Manager
Simplifies color management for desktop presentation, publishing and design
Macintosh LC, LC II, SE/30, II or Quadra; 4 MB of RAM; hard disk drive; 8-, 16- or 24-bit video card; System 7.0 or later.

The Kodak ColorSense Color Manager provides true color balance across an entire Macintosh computer system, in one complete and affordable solution. Now the colors users see on their monitor will match the colors originating from scanned photographs, transparencies or Photo CD. And the color output from a printer will match, too. This easy-to-use software application also includes a hardware tool that calibrates monitors for consistent screen display over time, and a scanner target for scanner calibration.
$499 retail
Eastman Kodak Co.; Desktop Imaging Div.; 343 State St.; Rochester, NY 14650; 800-242-2424, ext. 56 or 800-465-6523 in Canada

Label Designer
PostScript desktop publishing program
Macintosh Plus or larger.

Label Designer is a PostScript desktop publishing package that handles text, graphics and sequentially-ordered numbers or bar codes. Text, graphics and bar-code information can also be imported from most popular databases. Label sizes and layouts are user definable for laser printing on any type of label stock. Label Designer also features built-in step and repeating, and the capability to factor disproportioning for pre-press applications. In addition to full text and graphics editing capabilities, Label Designer uses ComputaLabel's graphical technology to create accurate bar codes within specifications defined by standards bodies, such as AIM and the UCC. A UPC code, for example, can be adjusted in between 80 and 200 percent of the nominal size in .1 percent increments; code height is separately adjustable to allow for bar-code truncation. To ensure accuracy of the final printed code, Label Designer allows adjustments as small as .00004 inches to the bar width. Code 39, UPC and PostNet bar coding is included with the base package; optional modules include Code 128, Interleaved 2-of-5, EAN and ISBN bar codes.
$195 retail
ComputaLabel Inc.; 28 Green St.; Newbury, MA 01951; 508-462-0993, 800-289-0993 or 508-462-9198 (fax)

Laser Positive
Complete design/lettering software system for screen printing
Macintosh II or larger.

Laser Positive is designed for screen printers, combining lettering design, artwork development, color separations and high-quality laser output. Features include: a large font library, interactive text manipulations, built-in drawing tools, adjustable choke and spread, step and repeat, automatic color separations, various line screens and options to import, edit and color separate Illustrator, EPS and PICT files.
$1,495 retail; software only
$14,200 starting price retail; complete systems including Quadra 610, 8 MB of RAM, 50 MB hard disk drive, printer, software, technical support and training
Wilcom Graphic Applications; 7031 Albert Pick Rd., Ste. 101; Greensboro, NC 27409; 910-665-0506 or 910-665-9929 (fax)

LaserSeps
Photoshop export filter; creates process color separations
Macintosh Classic II or larger; 2 MB of RAM; hard disk drive; Adobe Photoshop or any software that supports Photoshop plug-ins.

LaserSeps is a Photoshop filter that creates process color separations specially designed to be output on standard laser printers, such as those sold by Apple and Hewlett Packard. Using a proprietary diffusion imaging model, LaserSeps gets around many of the difficulties associated with traditional and PostScript-based halftone separations. Because there are no screens involved, moire patterns and registration issues are less of a concern. This is of particular importance for textile and small press owners, because much of the equipment used is not designed for the demands of process color registration. Once installed, the LaserSeps command shows up in Photoshop's "Filter" menu. LaserSeps creates a file that can be printed directly from Photoshop or imported into other programs, such as QuarkXPress or Aldus PageMaker for inclusion in a layout. The LaserSep image is rendered in the same resolution as the original image.
$149 retail
Second Glance Software; 25381-G Alicia Pkwy., Ste. 357; Laguna Hills, CA 92653; 714-855-2331 or 714-586-0930 (fax)

LineWorker
Photoshop plug-in to import and export Scitex Linework files
Macintosh Plus or larger; Adobe Photoshop 2.0.1 or later.

LineWorker is an Adobe Photoshop Plug-In module that enables Adobe Photoshop for the Macintosh to import and export Scitex Linework files. LineWorker can be used to offload Scitex time, create linework masks, color fill and tint linework, edit colors of existing linework, save screen captures as linework and convert linework files to any Photoshop-supported format. Handshake Linework files that have been transferred from a Scitex System or PS/2 to a Macintosh can be imported into Photoshop, color filled, tinted and re-saved as Linework files. Any file that can be opened in Photoshop can be converted to Scitex Linework. Linework files saved from Photoshop via LineWorker can be transferred back to a system for assembly, trapping and then output to final film. Features include: import and export Scitex Handshake Linework files into Photoshop's Indexed Color Mode, sub-sample option when importing images for quick editing of color tables and a merge option for exporting the color table into an existing Linework file.
$295 retail
IN Software; 2403 Conway Dr.; Escondido, CA 92026; 619-743-7502 or 619-743-7503 (fax)

Linus-M
Automatic tracing program
Macintosh SE/30 with coprocessor or larger.

Linus-M is a powerful automatic tracing program with precise user-definable controls. It is ideally suited for graphic designers and production specialists who have a need to create high-volume, high-quality "electronic art" from scanned logo-types or complex graphics. Unlike other auto-trace software programs, draw capabilities reside within Linus-M, making the process of editing simple and expeditious. There is no need to export scanned files into another illustration-draw program for clean up. This advantage saves time, along with the cost effectiveness of not needing to purchase more software.
$349 retail
URW Software & Type GmbH.; 4 Manchester St.; Nashua, NH 03060; 603-882-7445, 800-229-8791 or 603-882-7210 (fax)

Logostormer!
Logo design and brainstorming program
Macintosh with 4 MB of RAM; hard disk drive; System 6.0.5 or later.

Logostormer! is a logo design and brainstorming program. It allows busy designers to quickly generate logos from a starter set of 100 icons and masking patterns. At least 10,000 logo combinations are possible, and users can add their own design elements to generate even more logo designs. Logos can be printed directly from Logostormer! or saved as a PICT file and modified further in a drawing program. Logostormer! images print sharply at the highest resolution of a printer (even on non-PostScript printers). LaserWriter 8 users can export logos in EPS format.
$49 retail
Handcraftedfonts Co.; PO Box 14013; Philadelphia, PA 19122

Mac-Barcode ProLabel 2.0
Designs and generates bar codes
Macintosh Plus or larger.

Mac-Barcode ProLabel is a stand-alone software application that enables users to design and generate bar codes for label printing or creating worksheets. Template for retail shipping container label is included. Batch label creation from merged ASCII files. Features include: supports the UCC/EAN 128 Application Identifiers (AIs); and pull-down menus for choosing bar-code symbologies 128, 39, Interleaved 2 of 5, Codabar, UPC/EAN, 93, 11 and Bookland. It supports thermal transfer printers.
$399 retail
The Mac-Barcode Company; 260 Washington St.; PO Box 1814; Duxbury, MA 02331; 617-934-7585, 800-733-7592 or 617-934-6233 (fax)

MacBarcoda
Produces commercial-quality bar codes in-house
Macintosh Plus or larger.

MacBarcoda is a desk accessory used to produce commercial-quality bar codes in-house. It allows users to create UPC, Code 39, Interleaved 2-of-5, EAN, ISBN and ISSN bar codes within specifications defined by official standards bodies, such as AIM, the UCC and the ANA. A UPC code, for example, can be adjusted in between 80 and 200 percent of the nominal size in .1 percent increments; code height is separately adjustable to allow for bar-code truncation. To ensure accuracy of the final printed code, MacBarcoda allows bar width reduction adjustments in increments as small as .00004 inches. The bar code is saved as an EPSF, which can be imported into a wide variety of design packages and printed on any PostScript device. MacBarcoda is also available in an Illustrator- and FreeHand-compatible color version.
$195 to $295 retail
ComputaLabel Inc.; 28 Green St.; Newbury, MA 01951; 508-462-0993, 800-289-0993 or 508-462-9198 (fax)

Macintize
Transfers Compugraphic MCS-coded files to the Macintosh
Macintosh Plus or larger.

Macintize translates files originally composed on Compugraphic MCS or Powerview typesetters into fully formatted documents for the Macintosh. These files may be updated and output on PostScript-equipped laser printers or typesetters. Macintize works in conjunction with the DaynaFile 5.25-inch disk drive that allows the Mac to read MCS or Powerview disks. Once an MCS file has been stored on the Mac, it may be translated to one of two different file types. MCS files that are mostly text will be converted to Microsoft Word format. MCS files that contain much ruling and less text, such as forms, will translate into MacDraw format where they may be easily refined and updated for future use from the Mac.
$1,495 retail; including DaynaFile
Mumford Micro Systems; 3933 Antone Rd.; Santa Barbara, CA 93110; 805-687-5116

MacRIP
PostScript software RIP
Macintosh II or Quadra; 8 MB of RAM; 150 MB of free disk space.

MacRIP is a software-based, high-resolution PostScript interpreter designed to interface with many popular high-resolution and plain paper output devices, including engines manufactured by Agfa Division Miles Inc., Linotype-Hell, Ultre and Copal. A major benefit is MacRIP's continual upgrade path. As hardware performance advancements become available for the Macintosh, MacRIP automatically becomes more powerful.
$19,000 retail; includes software and interface card
Hyphen, Inc.; 181 Ballardvale St.; Wilmington, MA 01887; 508-988-0880, 800-388-0880 or 508-988-0879 (fax)

MacSign 1.10 For Macintosh
Sign making and engraving; delivers the power of PostScript to a cutting plotter
Macintosh Plus or larger; 2 MB of RAM; Adobe Type Manager 2.0.

MacSign is a powerful translator that converts any file created in most popular Macintosh graphics programs for use on the CAMM-1 and CAMM-2. MacSign can be used to output PostScript graphics on pen plotters, film cutting plotters and routing/engraving/milling machines. MacSign plots, cuts or engraves all EPS files. MacSign reproduces all Bezier curves with accuracy for smooth, accurate cutting and plotting. MacSign delivers the power of PostScript to a cutting plotter and engraver and provides these capabilities: enhance documents with any combination of popular typefaces; plot artwork on a single page or assemble multiple segments; selectable scaling — absolutely no scaling limits; color handling and color separation capability; and access a wide range of PostScript products, such as specialized typefaces, graphics libraries, illustrations, etc.
$399 retail
SofTeam USA, Inc.; 3000 Chestnut Ave., Ste. 100A; Baltimore, MD 21211; 410-243-1130 or 410-467-9552 (fax)

MacSign Professional 1.3
Conversion/output software with powerful extensions for sign making
Macintosh Plus or larger; 2 MB of RAM; Adobe Type Manager 2.0.

MacSign Professional is a powerful translator that reads files produced by most popular Mac graphics programs and converts them to HP-GL and GP-GL languages. It creates a powerful sign making and engraving workstation when interfacing with a pen or cutting plotter that uses or emulates the above popular languages. Features include: key entry from a user's available library of supported Type 1 typefaces; import graphics from the limitless world of PostScript artwork; plot artwork on a single page or assemble multiple segments; selectable scaling with absolutely no scaling limits; complete color handling with automatic color separations; choose precision or automatic overlapping or perfect nesting of colors; automatic step and repeat option with tagging; engraving fill option produces reliefs in two axis milling; and Engraving Tool Library supports dimensional and working features.
$599 retail
SofTeam USA, Inc.; 3000 Chestnut Ave., Ste. 100A; Baltimore, MD 21211; 410-243-1130 or 410-467-9552 (fax)

MacSymArt
Integrates desktop publishing and PostScript bar codes
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later.

To include bar codes in artwork on the Macintosh, users first create them in MacSymArt, then as EPS files, import them into popular graphics and publishing programs, such as Adobe Illustrator, QuarkXPress and PageMaker. Now layouts can include text, graphics and logos along with bar codes. MacSymArt calculates bar-code check digits or characters per inch automatically and lets users adjust symbol sizes (narrow bar, ratio, height) to accommodate a design. Users can choose between UPC-A, UPC-E, EAN 8, EAN 13, I 2 of 5, Code 3 of 9, Code 128, Pharmacode or Codabar and specify black and white output or color (C, M, Y or K). Users may also add supplemental codes, bearer bars and corner marks.
Call for pricing
Bar Code Systems, Inc.; 7000 Central Pkwy., Ste. 1210; Atlanta, GA 30328; 404-399-5921, 800-883-8300 or 404-399-7837 (fax)

MacThermal
Brings dramatic improvements to the task of printing labels on a reel-fed thermal printer
Macintosh Plus or larger; System 6.0 or later.

MacThermal brings dramatic improvements to the task of printing labels on a reel-fed thermal printer. MacThermal provides text, bar codes and graphic facilities, as well as boxes, lines and incrementing bar codes and numbers. MacThermal gives users the power, through its Job Profile window, to define an entire print run with changing label quantities, text, bar codes, graphics and numbers. Import Variations allows users

These Products Available Through Bottom Line Distribution
1-800-347-1923

to import all label content directly from a text, spreadsheet or database file. Full control over label designs is provided by the option to purchase print-only versions of MacThermal. Users can create and modify label designs while the print-only version allows another user to only enter label quantities and print. A full range of bar codes are supported, including EAN, Interleaved 2 of 5, UPC, ISBN, Code39 and Code128. All Zebra printers are supported, with others to be announced.
$995 retail
ComputaLabel Inc.; 28 Green St.; Newbury, MA 01951; 508-462-0993, 800-289-0993 or 508-462-9198 (fax)

Managing Editor XT Pro
Lists text and graphics files in an items palette in QuarkXPress
Macintosh Classic or larger; QuarkXPress 3.11 or later (3.2 recommended).

Managing Editor XT Pro (MEXT Pro) automatically rounds up text and graphics files from specified folders from a network or hard disk and lists them in an items palette in QuarkXPress. Users just select an item, specify parameters and MEXT creates an XPress box with the text or graphic in place. Thumbnail views are available for both text and graphic elements. Associated Press captions can automatically be attached and grouped to graphics as they are placed. It will support references from picture catalog libraries like Fetch and Search, as well as receive general Apple Event references. MEXT Pro can launch both applications for easy perusal of catalog information. MEXT Pro now builds Page Director's Advertising, Classified and Editorial Layout System documents in XPress and tracks items from the program's runsheets. MEXT Pro then allows for the placement of unused runsheet items and tracks all placed.
$119 retail
Managing Editor Software, Inc.; 101 Greenwood Ave., Ste. 550; Jenkintown, PA 19046; 215-886-5662 or 215-886-5681 (fax)

■ **MasterMenus**
Provides easy menu item access
Macintosh II or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

MasterMenus provides an easy way for users to have commonly used menu items as close as a click on a custom palette. The MasterMenus Preferences dialog provides an easy interface that is used to build the custom palette. Horizontal and vertical scroll bars allow users to scroll through the menus to find which commands they wish were more accessible and a pop-up menu allows users to go directly to the desired menu. Adding commands to the palette is easy, and the width of the palette is up to the user. Users also have the power of choice over the way menu commands are listed in the palette. The MasteMenus palette is whatever users make it.
$69 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

Matthco I
Enables users to create accurate bar codes in-house
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later.

Matthco I allows users to create accurate bar codes in-house, including UPC, EAN, Interleaved 2 of 5, Code 39 and Code 128. Users can design their bar codes with the precision necessary for all prepress applications to meet any printing or industry requirements. Bar width reduction, size and format are all user defined. Security checks are built in to avoid non-conformance to UCC and AIM published standards.
$495 retail
Matthews International; 252 Park West Dr.; Pittsburgh, PA 15275; 412-788-2122, 800-245-1168 or 412-788-2298 (fax)

Matthco V
Enables users to create precise bar codes
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later.

With customer specific and user-definable style sheets, Matthco V allows users to create precise bar codes using fewer keystrokes and increasing data accuracy. Additional Matthco V features, such as bearer bars around the bar code and multiple lines of text, make it possible to meet major industry bar-code applications, such as the Shipping Container Codes (SCS) and Health Care Industry Bar Codes (HIBC) requirements. Bar-code languages supported are UPC/EAN, Interleaved 2 of 5, Code 39, Code 128 and Codabar.
$1,295 retail; single application
$2,395 retail; all applications
Matthews International; 252 Park West Dr.; Pittsburgh, PA 15275; 412-788-2122, 800-245-1168 or 412-788-2298 (fax)

Metamorphosis Professional 2.0
Converts PostScript and TrueType fonts into editable outlines
Macintosh Plus or larger; 1 MB of RAM.

Metamorphosis is a PostScript and TrueType font conversion utility that creates editable outlines and other font formats from existing fonts. With Metamorphosis, users can convert Macintosh PostScript-language and TrueType fonts into PICT outlines, convert Macintosh fonts into PC-Windows fonts, convert PostScript fonts to TrueType fonts and vice versa. Metamorphosis produces fonts and outlines that are identical to the outlines of the original fonts.
$149 retail
Altsys Corp.; 269 W. Renner Pkwy.; Richardson, TX 75080; 214-680-2060 or 214-680-0537 (fax)

■ **The Missing Link**
Link text in QuarkXPress
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

The Missing Link adds features to the unlinking and linking tools. The Linking tool can be used to link text chains to other text chains that already contain text. The Unlinking tool can be used to duplicate a box that is part of a linked text chain. The duplicate box contains the text present in the original box.
$69 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

MouseTrap 2.0
Trapping solution for PageMaker files
Macintosh II or larger; any color or gray-scale card (8-bit or better); PageMaker 2.0 through 5.x.

MouseTrap is an application that makes PageMaker files output with the traps that a pressman needs. Trapping is simple — users just point and click, graphics and type (everything that users create within PageMaker) elements can be trapped at any point setting desired. When finished, the files are kept in the traditional EPS format and can be imported into a separation program. The finished files can be printed at high resolution on any Adobe PostScript-language device. Features include: import any PageMaker EPS file and adjust traps for both text and graphic objects created within PageMaker; all traps are user-adjustable in .01 point steps; users can have as many (or as few) traps as desired; imports color TIFF, Adobe Illustrator and Aldus FreeHand files and passes the files through to Aldus PrePrint for separation files; creates trapped EPS files for use in various color separation programs; and easy-to-use graphic interface enables viewing the objects/text needing traps. MouseTrap is System 7 compatible.
$149 retail
The Utility Company; 2775 Mesa Verde E, Ste. X-105; Costa Mesa, CA 92626; 714-754-1087 (phone/fax)

MultiDoc
Next-generation electronic publishing suite of tools
Macintosh Plus or larger; hard disk drive or CD-ROM drive recommended.

MultiDoc is a set of software tools that enables professional, high-volume publishers to produce and deliver next-generation electronic publications. MultiDoc features exceptional searching; effective handling of very large (CD-ROM) documentation; integration of multimedia elements; easy revising of both content and user interface; world-readiness; conversion aids for MS Viewer, SGML and RTF; and versatile presentation capabilities.
Call for pricing
Foundation Solutions, Inc.; 2000 Regency Pkwy., Ste. 345; Cary, NC 27511; 919-481-3517, 800-247-7890 or 919-481-3551 (fax)

■ **Navigator XT**
Navigate effortlessly through a QuarkXPress document
Macintosh II or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

Navigator XT is a palette that allows users to move through a QuarkXPress document effortlessly. The palette displays a thumbnail of the current page or spread. Clicking on a point in the thumbnail scrolls the document to the point where it was clicked. Features of Navigator include: available online help; displays pages or spreads; quick command key activation and hide; various page movements; quickly opens master page; palette resizes for page/spread size; optional page geometry display shows either wire frame geometry or a miniature of the current page or spread; and more.
$65 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ **Nouveau II**
Save multiple new document settings in QuarkXPress
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

Nouveau II has the ability to save multiple new document settings. Users can add the page creation settings to a pop-up menu of stored preferences. Nouveau II allows users to easily save, access and even name each setting. Nouveau II also includes section controls that are accessible when creating the document for the users' convenience. The XTension lets users create any number of pages as the document itself is created.
$39 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

NumberTag
Allows users to add number callouts to artwork
Macintosh Plus or larger; System 7.0 or later.

NumberTag is a specialty product designed for use by artists needing to number Exploded View artwork created in another application, or scanned in from disk. Similar in function to the Numbered Callouts tool within the Explode! application, NumberTag allows users to import artwork (in either EPSF or PICT formats), add the number callouts to the artwork file in a heads-up fashion and then export either the combined file or just the numbered callout tags as one of several file formats, PICT, EPSF or Adobe Illustrator, dependent upon the type of the original file imported for trace.
$99 retail
Airo Design & Manufacturing; PO Box 427; Port Washington, WI 53074; 414-284-7169

Ofoto Version 2
Scanning software for photographs and line art
Macintosh LC, SE/30, II or larger; 2 MB of RAM; 2 MB of available disk space (5 MB or more recommended); System 6.0.7 or later.

Ofoto makes it easy to acquire an accurate match to photographs, line drawings and artwork with the touch of one button. Users simply place the artwork or photo on the scanner bed and click Autoscan. Ofoto automatically determines if the image is a photograph or line art, sets the resolution and bit depth to optimize the resulting print, then straightens, crops and sharpens the image. Ofoto is like a good automatic camera that offers manual operation as well; any of the automatic features can be manually overridden if desired. Ofoto allows users to scale and rotate images easily without loss of quality or introduction of artifacts or distortions. It automatically eliminates moiré patterns that typically appear when scanning screened images. Out-of-focus or under- and over-exposed problem originals are no longer a problem. Ofoto can even fix photographs that have been taken with the wrong film.
$395 retail
Light Source, Inc.; 17 E. Sir Francis Drake Blvd.; Larkspur, CA 94939; 415-461-8000, 800-231-7226 or 415-461-8011 (fax)

■ **OverrideSeps**
Changes separation angles for multiple color plates in QuarkXPress
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

With OverrideSeps, users can create and save up to 16 sets of separation output preferences that include the separation angle and lpi for each of the cyan, magenta, yellow and black plates. The sets of output preferences may be stored and recalled quickly and easily.
$49 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

Overset!
Saves users time fitting text to boxes
Macintosh SE or larger; 2 MB of RAM; hard disk drive; QuarkXPress 3.0 or later.
Overset! saves users time fitting text to boxes. When users click on an overset mark, Overset! creates a temporary text box that allows users to view overset copy. Users can then edit the copy or adjust the text box size to get the fit desired. the temporary text box will disappear when the text fits. If there is not actual copy, the temporary text box will turn on and off, signaling users that the overset mark is due to a return. When a document is stored, the temporary text box is automatically removed.
$69 retail
XChange; 724 Whaler's Way; Ft. Collins, CO 80525; 800-788-7557, 303-229-0620 or 303-229-9773 (fax)

Page Designs Quick!
Page design templates for newsletters and tabloid newspapers
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; PageMaker 4.0 or later.
Page Designs Quick! contains 120 newsletter-layout templates (60 three-column and 60 four-column). All layouts can be adjusted for page size and modified to meet specific needs. Stories can be divided or combined; pictures can be expanded or reduced in width or depth; and headline configurations can be changed. Page Designs Quick!5 consists of 225 page-layout templates designed for five-column tabloid newspapers, including high school and college papers, trade papers, company employee newspapers and similar publications.
$69.95 retail; Page Designs Quick!
$139.95 retail; Page Designs Quick! 5
$27.95 retail; Desktop Publisher's Guide to Small Publication Layout and Production (book form, 345 layouts)
PAR Publishing Co.; 6355 Topanga Canyon Blvd., Ste. 307; Woodland Hills, CA 91367; 818-340-8165

Page Geometry Software (PGS)
Allows users to configure the imagesetter for a particular job
Macintosh Plus or larger.
Page Geometry Software allows users to configure the imagesetter for a particular job. PGS lets users linearize the imagesetter's geometric response. Users can adjust the response along the imagesetter's horizontal and vertical axes. Users can scale responses independently on the imagesetter's horizontal and vertical axes. And, users can also offer an additional service: precise distortion of printers for use in flexographic printing. PGS is compatible with most popular imagesetters and RIPs.
$195 retail
Technical Publishing Services, Inc.; 739 Bryant St.; San Francisco, CA 94107; 415-512-1230 or 415-512-1232 (fax)

■ **PageCopy**
Automates copying pages in QuarkXPress
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.
PageCopy automates the process of copying pages from one document to another and even allows easy duplication of entire pages within a document. The PageCopy dialog makes it easy to copy a few pages at a time by allowing users to choose from a list of open documents to specify a source document and pages, as well as picking a destination document and location in that document for the pages to be inserted. PageCopy also offers a batch copying feature that allows users to create a list of pages from various documents that should be copied, then the XTension executes the copy command all at once.
$89 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

PageMaker 4.5 Japanese
Japanese version of PageMaker
Macintosh Classic or larger; 4 MB of RAM; Japanese Language Kit with System 7.1 or KanjiTalk 6.0.7 or later.
PageMaker Japanese supports all the features of the equivalent English version, such as importing from major programs and easy placement of many graphics formats. There are also some specifically-Japanese features, such as vertical text formatting, left-side page binding, kanji page numbering and furigana (small kana that indicate the proper reading for kanji characters). Users may open English PageMaker files with versions of PageMaker Japanese that are the same or later. A separate program for pre-press work is bundled with PageMaker Japanese. It comes with Japanese documentation.
$1,139 retail
Qualitas Trading Co.; 2029 Durant Ave.; Berkeley, CA 94704; 510-848-8080 or 510-848-8009 (fax)

PageMaker 5.0 For The Macintosh
Desktop publishing program
Macintosh Plus or larger (Macintosh SE/30, II family or Quadra recommended); 2 MB of RAM (5 to 8 MB recommended); hard disk drive; System 6.0.7 or later.
PageMaker integrates text and graphics, enabling users to quickly produce long documents by flowing text automatically through successive pages, formatting text with user-defined style sheets and updating source files by exporting their PageMaker documents to selected word processors. Graphics features include the ability to wrap text around both regularly and irregularly shaped objects, support for spot color and spot-color overlays, and built-in brightness, contrast and special effect controls for scanned images and bit-mapped (paint-style) illustrations. PageMaker also includes 20 ready-made templates to help businesses and organizations produce professional-looking documents quickly and efficiently. Automated options available to users include style sheets. The style sheets are available in three ways: users can create them in PageMaker, import a style sheet prepared in Microsoft Word or tag text in a word processing, database or spreadsheet program so PageMaker can create a style sheet automatically.
$895 retail
Aldus Corp.; 411 First Ave. S, Ste. 200; Seattle, WA 98104; 206-622-5500, 800-685-6636 or 206-343-4248 (fax)

PageMaker Color Extension
Adds additional color capabilities to PageMaker
Macintosh Plus or larger; hard disk drive; PageMaker 3.0.
PageMaker Color Extension adds additional color capabilities to PageMaker 3.0. With the program, users can color text and PageMaker-drawn graphics, or import color illustrations saved as EPS files. Color Extension supports the full palette of Pantone colors, as well as the three industry-standard color models offered in PageMaker 3.0 (HLS, RGB, CMYK). Users can also import scanned color images saved in the Tag Image File Format (TIFF) and display them in 8- or 24-bit color, depending on the monitor.
$195 retail
Aldus Corp.; 411 First Ave. S, Ste. 200; Seattle, WA 98104; 206-622-5500, 800-685-6636 or 206-343-4248 (fax)

PageMaker Portfolio: Designs For Business Communications
Predesigned page formats for business use
Macintosh Plus or larger; PageMaker.
PageMaker Portfolio: Designs For Business Communications comes with predesigned page formats for proposals, memos, overhead transparencies, reports, handbooks and business plans.
$99 retail
Aldus Corp.; 411 First Ave. S, Ste. 200; Seattle, WA 98104; 206-622-5500, 800-685-6636 or 206-343-4248 (fax)

PageMaker Portfolio: Designs For Newsletters
21 predesigned templates for newsletters
Macintosh Plus or larger; PageMaker.
PageMaker Portfolio: Designs For Newsletters is a collection of 21 different newsletter formats into which PageMaker users can insert their own text and graphics.
$99 retail
Aldus Corp.; 411 First Ave. S, Ste. 200; Seattle, WA 98104; 206-622-5500, 800-685-6636 or 206-343-4248 (fax)

■ **PageShot**
Save multiple pages as EPS files
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.
PageShot allows users to specify multiple pages to be saved as EPS files. Users can specify multiple pages either by page or by simply checking the "All Pages" check box. PageShot allows users to designate a certain area of the page to be saved as an EPS. This keeps the file smaller. It also allows users to save a text or graphic box as an EPS file.
$89 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ **PartialPrints**
Print a portion of a QuarkXPress page
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.
The PartialPrints XTension lets users specify and print out the portion of an XPress page so they can see how that section looks on paper. PartialPrints lets users specify the area of the page being imaged by the X and Y origin of the area, as well as the area's width and height. PartialPrints also gives users the ability to save the portion of an EPS or PICT format graphic file.
$59 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ **Patternz**
Gives users the ability to put almost any kind of pattern around text
Macintosh Plus or larger; 5 MB of RAM; PageMaker 4.2; System 7.0 or later.
Patternz is an Aldus Addition to PageMaker that gives users the ability to put almost any kind of pattern around text, from a simple line to eye-grabbing graphics. It provides up to 100 different designs in black and white; 80 of them are non-editable patterns covering a wide range of designs that users select and place. Users control the size, shape or thickness of a design and save it for future use. After choosing one of three shapes — square, circle or rounded corner rectangle — users select a pattern and then place it. The shape can be sized and saved, giving users a virtually unlimited set of options.
$49 retail
ShadeTree Marketing; 5515 N. 7th St., #5-144; Phoenix, AZ 85014; 602-279-3713, 800-678-8848 or 602-279-1874 (fax)

PhotoCom And VisualDesk Plus
Photo-reception system
Macintosh II or larger.
PhotoCom is a photo-reception solution for newspapers and magazines. It is compatible with all of the main photo agency transmission services. The product can be purchased to receive from one to four agencies at the same time.
VisualDesk, a tool provided with PhotoCom, allows management of the photos and their distribution anywhere in the network.
VisualDesk Plus is an extension of VisualDesk that allows users to not only visualize and manage photos, but also files from QuarkXPress, Illustrator, EPS files and TIFF files. It gives the production environment great control of the status of Quark pages, as well as the work and images from any computer network.
$1,250 retail
Mac Solutions, Inc.; 2441 NW 93rd Ave., Ste. 102; Miami, FL 33172; 305-477-8885 or 305-477-7409 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

■ **Picture Dæmon**
Picture search in QuarkXPress
Macintosh II or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

The Picture Dæmon allows users to search for a graphic by name, accepting a full or partial file name to search for. A convenient pop-up menu lets users choose to search for all graphic types or only a particular kind of graphic, such as an EPS or TIFF. Picture Dæmon also includes a dialog similar to the QuarkXPress Picture Usage dialog that enables users to save the document's pictures list to a file or print it.
$79 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ **Picture Tools**
Enhancements when working with pictures in QuarkXPress
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

Picture Tools includes a variety of enhancements for working with pictures in QuarkXPress, including: picture suppression, individual picture greeking, size box to picture, forced update, resize picture and box keyboard commands and picture information palette.
$79 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

PlaceMat
Layout XTension for QuarkXPress
Macintosh Plus or larger; 4 MB of RAM; QuarkXPress 3.1 or later.

PlaceMat is a multi-object layout tool that works as an XTension to QuarkXPress. PlaceMat simplifies resizing and rearranging multiple objects. It has six modes that allow the user to "link" boxes and lines for resizing, so that changing the size of one causes corresponding changes to the size and position of the others. PlaceMat can be turned on or off and any scale/positioning mode can be selected from an easy-to-use palette. PlaceMat will scale or move any object on the page. It will also attract or repel relative objects, depending on the mode set. PlaceMat also provides an easy Undo for all its functions.
$49 retail
Npath Software, Inc.; PO Box 523; Issaquah, WA 98027; 206-392-7745 or 206-392-7816 (fax)

PlateMaker
Photoshop plug-in to export DCS 2.0 files
Macintosh Plus or larger; Adobe Photoshop 2.0.1 or later; QuarkXPress 3.2 or later.

PlateMaker is an Adobe Photoshop Plug-In module that exports DCS 2.0 files. The new specification for DCS from Quark, Inc. supports multiple plate color separations. With PlateMaker, it is now possible to export images of multiple plates utilizing the popular PostScript file format. The age-old problem of duplicating documents to create custom backgrounds can now be accomplished in a single procedure out of Photoshop. Color separations can easily be created to include additional channels for spot colors, PANTONE backgrounds, varnishes, foil stamping, embossing or any other special effect. Supported modes include CMYK, Indexed and Multichannel. Features include: full resolution composite for output to color printers; single or multiple file DCS format separation; 8- or 24-bit PICT preview for greater accuracy in placement into page layout packages; apply clipping paths to individual separation plates to create hard edged masks; create underprint masks for printing on colored papers or textiles; and custom angles and frequencies for all plate separations exported.
$295 retail
IN Software; 2403 Conway Dr.; Escondido, CA 92026; 619-743-7502 or 619-743-7503 (fax)

PostScript To EPS Converter
Attaches a screen image to both raw PostScript files and files output using the Apple LaserWriter driver
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.

T-Script's PostScript to EPS Converter attaches a screen image to both raw PostScript files and files output using the Apple LaserWriter driver. The T-Script EPS output retains the PostScript properties of accurate scaling and the ability to output the graphic at the highest resolution of the output device.
$495 retail
TeleTypesetting Co.; 311 Harvard St.; Brookline, MA 02146; 617-734-9700 or 617-734-3974 (fax)

PostScript To PICT Converter
Converts PostScript text and images into a high-resolution PICT file
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.

This special T-Script driver converts PostScript text and images into a high-resolution PICT file up to 1,600 dpi. The popular PICT format is often used by slide imaging software. T-Script now addresses this need to allow high-resolution 35mm 24-bit slides to be printed from virtually any Macintosh application. T-Script achieves 35mm slide resolution up to 10,000 lpi. The PICT feature allows users to: create PICT files from PostScript files for use in non-PostScript applications; place graphics into "non-graphic" programs, including Microsoft Word, Claris MacWrite or any other program simply by using the built-in Scrapbook (or Clipboard) capability of the Macintosh; support importing of graphics into QuickTime; and print to non-PostScript printers.
$145 retail; up to 360 dpi
$495 retail; up to 2,400 dpi
TeleTypesetting Co.; 311 Harvard St.; Brookline, MA 02146; 617-734-9700 or 617-734-3974 (fax)

PostScript To TIFF Converter
Allows PostScript files to be converted into TIFF files
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.

T-Script's TIFF Export feature allows PostScript files to be converted into TIFF files for use in applications requiring the TIFF format. Examples include: use in non-PostScript applications, such as creating a PostScript file in Adobe Illustrator and converting to TIFF file format for modification in Adobe's Photoshop or Digital Darkroom; high-resolution fax/modem (allows for transmission of images with greater than 72 dpi resolution); and high-resolution output to non-PostScript printer (any QuickDraw-based printer, such as a film recorder [slides] or other printer, for which no direct T-Script driver is available).
$145 (up to 360 dpi) to $498 (up to 2,400 dpi) retail
TeleTypesetting Co.; 311 Harvard St.; Brookline, MA 02146; 617-734-9700 or 617-734-3974 (fax)

Pow! Zap! Ker-Plunk! The Comic Book Maker
Design your own comic book
Macintosh Plus or larger; 1 MB of RAM (2 MB for color).

This program produces spectacular looking comic books. Users choose from a variety of paneled backgrounds and hundreds of pieces of clip art to begin their design. The clip art categories include classic comic book components: speech bubbles, sound and special effects, props, heroes and heroines. The characters available in this program display a wide range of emotions and expressions. The sequential printout option has a variety of page layouts ideal for that authentic comic book look. Comics can be printed in a variety of sizes from mighty miniature to the powerful poster size.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Preps
Imposition and stripping software
Macintosh II or larger.

Preps imposition and stripping software is a tool for use in the prepress operations of a commercial or in-house print shop, or by an on-demand printing operation. It performs electronic document assembly from multiple PostScript input files, lays out the pages as they are to appear on a press sheet or printer sheet and outputs PostScript file(s) in the proper format to drive printers, on-demand publishing printers, imagesetters or platesetters. Key features include: ability to mix PostScript files from multiple applications in a job, built-in color separator, ability to merge OPI linked files, font downloading, complex sheet layouts (unlimited pages of multiple signs and orientations and unlimited standard or uniform marks) and a wide range of support for output devices.
$6,995 retail
ScenicSoft, Inc.; 11400 Airport Rd.; Everett, WA 98204; 206-355-6655 or 206-355-6898 (fax)

■ **PressMarks**
Create templates of registration marks
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

PressMarks is an XTension for QuarkXPress that allows users to create templates of registration marks and document information, which are added to each page of QuarkXPress documents as they print. All PressMarks are printed in PostScript to assure the highest quality output. PressMarks allows users to add, delete and place registration marks and document information.
$299 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ **Preview Editor**
XTension to assist in managing large volumes of QuarkXPress documents
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

Preview Editor gives users the flexibility to use an image browsing program, such as Aldus Fetch, as a tool to organize their QuarkXPress documents. Preview Editor makes this possible by attaching a PICT preview to documents. It works in the background, attaching and updating the preview to reflect the appearance of each document each time it is created or saved. Preview Editor lets users include a description and list of keywords. The description and keywords can be added automatically when the preview is attached to the document, or users can choose to enter or edit them individually for each document. The XTension can also make a miniature preview page to replace the standard XPress document icon in the Finder.
$59 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ **Pricer XT**
Sets preferences for formatting prices in QuarkXPress
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

Pricer XT allows users to create a set of preferences for formatting prices in the text of QuarkXPress documents and then apply that price format to prices in the documents. Pricer XT applies the designated price formatting either to a single price or to every price in the document. Preferences allow users to choose whether Pricer XT formats all prices without pausing or whether they would like to individually confirm that each price should be formatted.
$99 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

The Print Shop 1.3.2
Personalized cards, letters, banners, signs
Macintosh Plus or larger.

The Print Shop allows users to create greeting cards, stationery, letterheads, signs and banners. Features include a selection of clip art and abstract patterns used to create borders, backgrounds or logos; and several type styles available in a variety of sizes in solid, outline or three dimensional formats for personalizing messages. The program allows users to modify the ready-made designs or create their own.
$59.95 suggested retail
$10 retail; teacher's guide
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

The Print Shop Deluxe
Enables users to easily create and smoothly print high-quality greeting cards, signs, stationery, banners, calendars and posters
Macintosh with 68020 or larger processor; 4 MB of RAM; high-density hard disk drive; hard disk drive with 6 MB of free space; System 7.0 or later.

The Print Shop Deluxe enables users to create their own personalized designs or simply choose from hundreds of ready-made layouts to create dazzling documents, from professional-looking letterhead and greeting cards to attention-grabbing posters and banners. The Print Shop Deluxe includes more than 300 object-oriented graphics, hundreds of ready-to-use layouts, 30 TrueType fonts, plus support for additional TrueType fonts, including Type 1 (with Adobe ATM 2.0 or later). Text can be shrunk, stretched, rotated, flipped, scaled and customized into more than 3,500 combinations — all without "jaggies." Graphics can also be customized by adding colors, shading and other effects. Users can import graphics in PICT format or use the Exporter to convert Print Shop Deluxe graphics to EPSF and PICT formats for use in other applications. For users who want to build a library of additional fonts and graphics, Brøderbund also offers The Print Shop Deluxe Sampler Collection (artwork in themes such as sports, seasons, holidays, parties and celebrations); Business Collection (graphics, fonts and layouts suitable for business needs); and Comic Characters (more than 300 wacky graphics with personality).
$49.95 approximate retail
$29.95 each approximate retail; The Print Shop Deluxe Sampler Collection, Business Collection, Comic Characters
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

PrintArea
Allows users to print specific items or a portion of a page
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; QuarkXPress 3.0 or later.

PrintArea provides a feature that has been unavailable since the release of QuarkXPress 3.1 — the ability to print specific items or a portion of a page. This feature proves invaluable during the process of designing and proofing a document. Changes to a document are made more efficiently by not burdening users with the overhead required in printing entire pages. Users specify the area they wish to print by selecting one or more items and letting PrintArea determine the X/Y coordinates for them automatically, or by entering the X/Y coordinates into the PrintArea dialog box directly. These dimensions may be changed at any time. PrintArea works equally well with all item types, including text boxes, picture boxes and lines, as well as grouped or multiple-selected items. Support is also provided for items that "bleed" off the page. Users who require the advanced printing options of QuarkXPress will find that PrintArea fully supports the standard QuarkXPress Print dialog.
$79 retail
XTend, Inc.; 2215 Polk Ave.; PO Box 7273; North Brunswick, NJ 08902; 908-821-6400 or 908-821-6801 (fax)

Printbox
Text, layout and color image production system
Macintosh II; 4 MB of RAM.

Printbox is a complete, integrated, text, layout and color production system working in the PostScript environment. Printbox is based on new solution specific technology, purpose-built for the job of producing pages. The Printbox system handles a complete job, including input scanning, image control and text, layout and image integration ready for output. Input is via the Printbox Scanner, which is controlled by the Scan Manager, a heavily modified Macintosh. Images are worked on in the Printbox itself and image, text and layout integration takes place in a second modified Macintosh, known within the system as the Layout Manager. Printbox is color space independent and offers a sophisticated suite of color correction facilities. It also offers "on-line production" — true, genuine real-time, interactive page make-up — which means that every facility and element are online and editable at all times.
Call for pricing
Quantel; 85 Old Kings Hwy. N; Darien, CT 06820; 203-656-3100 or 203-656-3459 (fax)

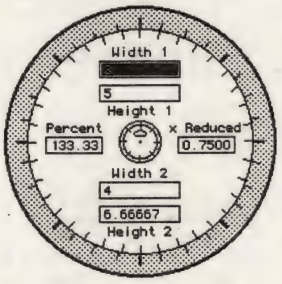
Printer's Apprentice Layouts
Page-layout templates
Macintosh Plus or larger; 2 MB of RAM.

With Printer's Apprentice Layouts, users can output more than 200 professionally-designed, colorful, camera-ready documents with a keystroke. They are compatible with PageMaker, QuarkXPress and Ready,Set,Go!/DesignStudio, and can be output to any PostScript laser printer or Linotronic. This unique collection contains a fascinating variety of layout templates, including 33 brochures, 14 newsletters, five flyers, 82 business cards, 35 letterheads, 48 envelopes and two business-reply cards. All templates are designed in accordance with real-world printing applications; crop, registration and fold/score marks are included. Documents can be output in multiples per page for accurate, economical film assembly and stripping. Documentation includes complete instructions, hot tips for use and reduced-size illustrations of all designs.
$129.95 retail
Postcraft International Inc.; 27811 Avenue Hopkins, Ste. 6; Valencia, CA 91355; 805-257-1797 or 805-257-1759 (fax)

ProType
Professional publishing software
Macintosh II or larger; A/UX; 8 MB of RAM; 19-inch monochrome or color monitor; SCSI disk controller with 160 MB disk.

ProType is a professional publishing application designed to provide users with a complete set of tools to produce high-quality typography on PostScript printers and imagesetters. Sophisticated features include 6,084 kern pairs per font, four levels of whitespace tracking, spaceband control, real-time H&J, aesthetic rag control, formatting capabilities and complete integration of graphics. ProType's tabular capabilities allow complex forms, tables, columns and financial reports to be set, edited and justified with ease. Any element can be arbitrarily rotated and still be completely editable. Characters can be automatically and manually kerned. Spot color, color links and four-color separation capabilities allow users to import high-quality color images into ProType page files. Original or electronic artwork, line art, contone and halftone images can be integrated directly into a ProType page. ProType accepts TIFF, EPS and other image file formats. Images can be arbitrarily sized, shaped, cropped, rotated and adjusted for aspect ratio. ProType is provided with a toolbox that includes programs for data translation and adding fonts. Because ProType is Unix based, it is able to take advantage of a multi-tasking environment that allows complete access to the screen while background processes are running. Special features include signature imposition with rotation and complete editability, support of pi characters, code free WYSIWYG editing and the use of programmable keys. Additional items include batch pagination, foreign language prompts and foreign language hyphenators. Custom networking and integration and native language high-speed imagesetter drivers are available.
$4,995 retail
Paragon Publishing Systems; Bedford Springs Office Park; 10 Corporate Dr.; Bedford, NH 03110; 603-471-0077, 800-431-1403 or 603-471-0501 (fax)

ProWheel DA
Desktop proportion and calculation accessory
Any Macintosh.



ProWheel DA is the software version of the standard-manual proportion wheel used by designers, printers, photographers, DTP people, newspaper and magazine photo managers. It is used to size original photos and artwork to a new size to fit into a printed piece. It accepts and converts the enlargement/reduction percentage of both the height and width of the photo/artwork from the original size to the new size. It also will calculate and convert between decimals, fractions, inches, centimeters, picas, points, DTP-Picas and DTP-Points. Because ProWheel is a desk accessory, it will pop up over any application program. Best of all, ProWheel never gets lost in a busy work area like its non-computerized counterpart.
$29.95 retail
The DesignSoft Co.; PO Box 1130; Wheaton, IL 60189; 708-858-5363, 800-426-0265 or 708-653-0647 (fax)

Publication Administrator 2.0
Document management and tracking
Macintosh II or larger; 12 MB of RAM; hard disk drive; QuarkXPress 3.1 or later.

Publication Administrator is a client-server database for managing QuarkXPress documents. It uses the latest capabilities of 4th Dimension 3.0. This product monitors the creation and editing of an XPress document, updates the publication status of text and art box elements and controls access to documents. Publication Administrator is Apple Events aware, which lets other compatible applications query its database. The increased performance of Publication Administrator allows for the support of up to 40 clients from a single server. Publication Administrator has multiple access to QuarkXPress documents, and a module that displays the status of entire publications in graphic thumbnails. Publication Administrator lets two users share access to a QuarkXPress document at the same time. The new display module, Publication Administrator Views (PAV), presents all the pages in an XPress document in graphic thumbnails, with the status of page elements indicated by a unique color.
$3,395 retail; one server, five clients
North Atlantic Publishing Systems, Inc.; 9 Acton Rd., Ste. 13; Chelmsford, MA 01824; 508-250-8080 or 508-250-8179 (fax)

Publish It! Easy 3.0
Publishing program
Macintosh Plus or larger; hard disk drive recommended; System 4.2/Finder 5.0 or later.

Publish It! Easy includes page layout, word processing, graphics and typesetting tools with a built-in database/mail-merge program and exclusive slide-show feature. Features new to Version 3.0 include support for paragraph tags; multiple ruler guides; the ability to change specifications on grouped objects; an expanded tool palette with new tools for drawing grids, diamonds, arcs, Bezier curves, radial spokes and other shapes; and gradated fills for rectangles. The upgrade also offers support for color TIFF images with image controls for gray-scale and color PICT2 and TIFF images.
$149.95 retail
Timeworks International, Inc.; 625 Academy Dr.; Northbrook, IL 60062; 708-559-1300, 800-323-7744 (orders) or 708-559-1399 (fax)

The Publisher's Warehouse
Hundreds of files and services
Any Macintosh.

The Publisher's Warehouse brings users hundreds of files and services to make their desktop publishing business more profitable. Users select from hundreds of high-quality EPS clip art and graphics files covering a range of topics and styles. The Publisher's Warehouse also offers further production services, including custom tracing, custom clip art production, logo conversions, presentation templates and production, pressure-sensitive graphics production, indoor/outdoor signs and lettering — all from a user's files or Showker Graphic's. A catalog is available upon request.
$20.50 retail; per four 800K disks
Showker Graphic Arts & Design; 15 SouthGate Ct.; Harrisonburg, VA 22801; 703-433-8402

These Products Available Through Bottom Line Distribution
1-800-347-1923

Purup PhotoImpress
Kodak Photo CD integration
Macintosh with 68020, 68030 or 68040 processor; 8 MB of RAM; 13-inch or larger color monitor; System 7.0 or later; XA-compatible, multisession CD-ROM drive.

Purup PhotoImpress is a Macintosh-based Photo CD image conversion program that appeals to Photo CD users who want to work professionally with four-color images. Contrary to other programs, Purup PhotoImpress unifies direct YCC -> CMYK color conversion, color management and batch processing in the same program.
$995 U.S. retail
Purup Prepress A/S; Sonderskovvej 5; DK-8520 Lystrup; Denmark; +45-86-22-25-22 or +46-86-22-25-11 (fax)

QuarkXPress 3.11 Japanese
Japanese version of QuarkXPress
Macintosh Classic or larger; 4 MB of RAM; Japanese Language Kit with System 7.1 or KanjiTalk 6.0.7 or later.

This Japanese edition supports all the equivalent English version features of QuarkXPress, such as advanced handling of color and the ability to open seven documents at once. There are specific Japanese capabilities, such as vertical text formatting, furigana (small kana that indicate the proper reading for kanji characters), left-side page binding and kanji page numbering. Users can open English QuarkXPress files directly with equivalent or later versions of QuarkXPress Japanese. The menus and dialog boxes may be switched between Japanese and English. It comes with Japanese documentation.
$1,595 retail
Qualitas Trading Co.; 2029 Durant Ave.; Berkeley, CA 94704; 510-848-8080 or 510-848-8009 (fax)

QuarkXPress 3.3
Integrated electronic publishing system
Macintosh Plus or larger; 2 MB of RAM (additional RAM recommended for color or graphics-intensive applications); hard disk drive; System 6.0 or later; LaserWriter.

QuarkXPress is a professional electronic publishing system that provides the precision, power and ease of use needed to produce a broad range of publications. It sustains creativity with a level of comfort that allows continual interaction with a design. A movable on-screen measurements palette allows changes in fonts, type size, kerning, tracking, leading and other attributes in increments as fine as .001 point, without ever having to use a menu or dialog box. The Library feature enables users to store frequently-used pictures and text for placement in any document at any time. QuarkXPress also offers precise typographical and layout control capabilities. The program accommodates type sizes from 2 to 720 points in .001 point increments; tracking and kerning to a tolerance of .00005 em space; and full text and graphic rotation to .001 degrees. Design options are increased with the many document composition features, such as a pasteboard work surface and retroactive master pages. Complete color support and the capability to import and manipulate all popular picture formats saves significant time and prepress expense. With complete word processing capabilities, QuarkXPress can serve an entire organization.
$895 suggested retail
$2,495 suggested retail; QuarkXPress Passport (multilingual version)
Quark, Inc.; 1800 Grant St.; Denver, CO 80203; 303-894-8888, 800-788-7835 or 303-894-3399 (fax)

QuickScan
Prepress image acquisition software
Macintosh II or Quadra family; 5 MB of RAM; floating point processor; System 6.0.5 or later.

QuickScan is prepress image acquisition software. QuickScan drives the scanning functions of PixelCraft scanning systems, as well as other popular image scanners such as those from Microtek and Sharp. It is designed to optimize image data and deliver predictable color for maximum productivity without repeated rescanning. QuickScan applies Total Image Management to the scanning process, creating commercial-quality color, gray scale and black and white within an affordable, easy-to-use and productive environment. QuickScan operates as a plug-in module to PixelCraft's ColorAccess. QuickScan also functions as an Adobe Photoshop plug-in. It is also available for Windows.
$125 to $195 retail
PixelCraft, A Xerox Co.; 130 Doolittle Dr., #19; San Leandro, CA 94577; 510-562-2480, 800-933-0330 or 510-562-6451 (fax)

RasterOps CorrectColor Management System
Ensures greater color fidelity between scanners, monitors and desktop color printing devices
Macintosh II or Quadra family; 8 MB of RAM; 24-bit display adapter and monitor; 32-bit QuickDraw; block mode display board recommended; RasterOps CorrectColor Calibration system; Adobe Photoshop 2.0 or later.

The RasterOps CorrectColor Management System (RCCMS) bridges the gap between desktop color device to ensure greater color fidelity between scanners, monitors and desktop color printing devices. RCCMS is a set of software tools based on the color management technologies of KEPS (Kodak Electronic Printing Systems). It consists of Device Color Profiles (DCPs), which are characterizations of desktop color devices describing how they reproduce color; the RasterOps Color Manager, which allows users to personalize their Macintosh system; and Adobe Photoshop filters, which allow users to perform color management functions. These filters ensure that the color users see on the screen matches the color output from the printer. Scanned images and printed output are corrected to more closely match the original on screen. RCCMS includes a starter set of DCPs. Additional DCPs and scanner characterization software can be obtained directly from KEPS.
$499 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

Ready,Set,Go! 6.0
Page design software
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.

Ready,Set,Go! offers a traditional approach to page design with all the benefits of the Macintosh. The program's electronic pasteboard lets users work freely at all stages of the design process. Editable thumbnails help visualize designs and explore creative options quickly and easily. Page designs can be created with customizable grids or using pasteboard guides. The program offers powerful type capabilities, including rotation of text to .1 degree, fractional point sizes, kerning and automatic text wrap-around. A wide range of word processing and text linking features, style sheets, glossaries and extensive drawing and graphics tools are provided. Ready,Set,Go! lets users incorporate color into their designs, using either the Pantone Matching System or full process color. The program includes Separator, which allows users to separate complete pages right from Ready,Set,Go!. Separator allows users to choose spot or process color for each object and allows users to specify printing options, such as knockouts and UCR for pure black. Users can also control printing of individual plates and line and dot screen specifications. Version 6.0 features object-oriented trapping, multiple master pages, gradient fills, EPSF export, automatic scaling of text and graphics, XTND support, automatic drop caps, floating tool palettes and a presentation module. It is System 7 savvy, with support for QuickTime, Apple Events and Publish & Subscribe (of formatted text and graphics).
$395 retail; unlimited free technical support through toll-free number
Manhattan Graphics Corp.; 250 E. Hartsdale Ave.; Hartsdale, NY 10530; 914-725-2048 or 914-725-2450 (fax)

■ RefleXTion
Flips objects in QuarkXPress
Macintosh Plus or larger; System 6..5 or later; QuarkXPress 3.2 or later.

RefleXtion can quickly flip a polygon horizontally or vertically. RefleXTion gives users the option to try the effect quickly to decide whether or not it fits their design. RefleXtion can even reflect an entire page horizontally or vertically with a single command. RefleXTion is accessed through a straightforward dialog that allows users to choose which direction they want to reflect the currently selected polygon, group box or page. Items can be mirrored across their veritcal axis, their horizontal axis or both. The XTension makes all the calculations and reflects the times, leaving text and pictures undisturbed in their respective boxes.
$49 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ Resize XT
Resizes pages in QuarkXPress
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

Resize XT offers two ways to resize groups of page documents in QuarkXPress. Users just activate the Resize XT preference dialog to indicate how the group should be resized. Resize XT also adds the Resize Tool to the QuarkXPress tool palette. The Resize Tool may be used to drag the corner of a group to indicate its new size. Users can scale down the selected page elements as small as 20 percent of their original size; maximum size is determined by the size of the page. Users can enlarge items to any percentage that does not group items off of the page. Text sizes, paragraph rules, text indents, tabs and leading can be scaled. Lines and frames that are scaled retain their proportional widths.
$99 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

RIPMaster
Phototypesetting system monitor
Macintosh Plus or larger.

RIPMaster, a software utility, resides on the Raster Image Processor (RIP) and provides information on virtually every aspect of jobs processed by the RIP and output on Linotronic laser imagesetters. Information, which is displayed on the screen of the operator's Macintosh, includes resolution, take-up and supply cassette volume, current job status, materials used and time spent processing a job. RIPMaster also pinpoints PostScript errors.
$495 retail
Linotype-Hell Co.; 425 Oser Ave.; Hauppauge, NY 11788; 516-434-2000, 800-633-1900 or 516-434-2706 (fax)

RipServer
Turnkey solution for high-speed PostScript rasterization in the Macintosh environment
Macintosh SE or larger (68040-based Macintosh recommended); 4 MB of RAM; System 7.0 or later.

The RipServer bundle is a turnkey solution for high-speed PostScript rasterization in the Macintosh environment. It combines Xinet's K-Spool or Aldus Print Central print spooler control software, with TorqueWare server software and 5D or Adobe Professional RIPs. As with all TorqueWare bundles, it is scalable from one to several SGI back-end processors. A variety of output devices are supported, including film recorders and Scitex CT file transfer. The system is designed as an open-architecture RIP environment, allowing the use of other RIPs, as they become available.
$4,500 starting price retail; software-only bundles
Torque Systems, Inc.; 825 Emerson St.; Palo Alto, CA 94301; 415-321-1200 or 415-321-1298 (fax)

Scitex Visionary Echo
Macintosh-to-Macintosh computer proofing system
Macintosh IIfx or larger; 8 MB of RAM; 160 MB of free hard disk space; 19-inch color monitor; System 7.0 or later.

Scitex Visionary Echo is a Macintosh-to-Macintosh computer proofing system that reduces proofing cycles. Utilizing standard telecommunications, compressed pages are transmitted to any remote site. At the remote site, transmitted files can be routed directly to an unattended IRIS 4012 printer for proofing. Proofs can be reviewed on a Macintosh computer and both parties — local and remote sites — will be able to view and annotate the file simultaneously via the telephone, improving communications.
Call for pricing; may vary within configurations
Scitex America Corp.; 8 Oak Park Dr.; Bedford, MA 01730; 617-275-5150 or 617-275-3430 (fax)

Scitex XTensions
Accelerate page design and enhance quality
Macintosh II or larger.

Scitex has developed 14 QuarkXPress XTensions that accelerate page design and enhance quality. Scitex XTensions are packaged in eight different offerings. Previously offered only to customers, Scitex XTensions are now available as individual packages or as a bundled solution.
$69 to $199 per package retail
Scitex America Corp.; 8 Oak Park Dr.; Bedford, MA 01730; 617-275-5150 or 617-275-3430 (fax)

Series 1000
Complete electronic publishing systems
Macintosh Classic or larger.

Linotype's Series 1000 consists of six complete publishing systems ranging from entry-level text-only configurations to systems offering full process color capabilities. Linotype has researched emerging technologies, tested them carefully and integrated them into complete systems to provide reliable solutions. Macintoshes are used as the input workstations for Series 1000 and are combined with different monitors, scanners, printers and storage devices as necessary to produce jobs of varying complexity. Working with powerful text processing, graphics handling and page layout software, operators can produce simple newsletters or elaborate brochures. The workstations can be networked via LocalTalk or Ethernet. Jobs are proofed to color or black and white laser printers and output to a Linotronic 230, 300, 330, 500 or 530 laser imagesetter.
Call for pricing
Linotype-Hell Co.; 425 Oser Ave.; Hauppauge, NY 11788; 516-434-2000, 800-633-1900 or 516-434-2706 (fax)

SetInset II
Allows users to specify text inset values for QuarkXPress text boxes
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; QuarkXPress 3.0 or later.

SetInset II permits users to specify text inset values for QuarkXPress text boxes. The text inset value is the distance between the edge of the text box and the text within. Modifications to the text inset value were previously limited to one value for all sides of a text box. Augmenting the text box formatting capabilities found in QuarkXPress, SetInset II allows users to design pages with much more flexibility when used in conjunction with existing features, such as text indent, vertical justification and tabs. SetInset II allows users to enter a value using the measurement unit of their choice and offers decimal precision similar to that found in XPress. Recently updated, SetInset II is now implemented as a movable dialog and includes an Apply feature. Keyboard commands allow users to access the SetInset II dialog or apply user-defined inset values (in increments of 1/10x, 1x, 10x) directly to the active text box.
$29 retail
XTend, Inc.; 2215 Polk Ave.; PO Box 7273; North Brunswick, NJ 08902; 908-821-6400 or 908-821-6801 (fax)

SetSkew
QuarkXTension
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; QuarkXPress 3.0 or later.

SetSkew is a QuarkXTension that produces unique text effects from within QuarkXPress by skewing text boxes. This feature augments QuarkXPress' built-in ability to skew pictures. By combining the power of SetSkew with the existing palette of XPress tools, effects never before possible are now attainable. Text that is contained within a text box remains totally editable. Changing text attributes, such as typeface size, kerning/tracking, etc., remain possible. Paragraph formatting commands also remain in effect. Frames that encompass a text box preserve the correct angle of skew. Skewed text boxes maintain their link to other text boxes as well. In addition, SetSkew may be applied to any existing or newly-created document.
$49 retail
XTend, Inc.; 2215 Polk Ave.; PO Box 7273; North Brunswick, NJ 08902; 908-821-6400 or 908-821-6801 (fax)

■ Shadow Master
Create shadow effects in QuarkXPress
Macintosh Plus or larger; System 6.0.5 or later, QuarkXPress 3.2 or later.

Shadow Master is a quick and easy way to create shadow effects for objects without ever leaving QuarkXPress. Shadow Master makes drop shadows a snap. A dialog lets users choose the shadow's offset, as well as its color and shade. Three-dimensional shadows are easy with Shadow Master — users just set the offset and color, then use the convenient shadow orientation box to select which way the shadow should fall. Shadow Master even allows users to create shadows with gradiant blends, which means the shadow can fade away from the original box.
$49 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

Simple Seps
Color separation software
Macintosh 512KE or larger; System 6.0 or later; laser or ink jet printer with 300 dpi or greater.

SimpleSeps brings the power of color separations to virtually every Macintosh, using any word processor or desktop publishing system and using almost any printer. Now anyone can print multicolor separations of newsletters, stationary, business cards, announcements, invitations, advertisements, etc., on their Macintosh, reducing printing costs. SimpleSeps is designed for two-color separations and adds three controls to every window: activation, print black layer or print color layer buttons. Users simply design their document using any two colors (usually black and another color), print the black layer, print the color layer and take the separations to any print shop to have it printed in any two colors. SimpleSeps works with almost every word processor, draw program or DTP system, including Microsoft Word, any Works product or other applications that have color text and graphics support, even on a non-color Macintosh.
$39.95 retail
Mi Concepts; PO Box 8822; Kentwood, MI 49508; 616-765-3312, ext. 14 or 616-765-3325 (fax)

SketchArt 2.0
Scanning, conversion and output software for sign making
Macintosh Plus or larger; 2 MB of RAM; Adobe Type Manager 2.0.

SketchArt allows users to import and combine QuickDraw and PostScript artwork and type into composite image files and then export those files to SketchMate or Imagecrafter for plotting or cutting. SketchArt also supports scanning using Stika's built-in scanner. Most popular illustration, design, text and productivity packages are supported, including Excel, Works, Illustrator, FreeHand, TypeStyler, LetraStudio and more. Users can enhance business and graphic design artwork with support for up to 32 colors of plotting pens; choose between .3mm and .6mm pen widths for thinner or thicker output. With Stika, users can scan an image using Stika's built-in scanner, import that scanned (bit-mapped) image into the Mac, trace and modify the image with applicable Mac software, then export and send the finished image file to the Stika for cutting or to Sketchmate for plotting or cutting.
$169 retail
SofTeam USA, Inc.; 3000 Chestnut Ave., Ste. 100A; Baltimore, MD 21211; 410-243-1130 or 410-467-9552 (fax)

Sonar TOC 2.0
QuarkXPress table of contents generator
Macintosh Plus or larger; 1 MB of RAM; QuarkXPress 3.1 or later; Sonar Bookends.

Sonar TOC is a table of contents generator for QuarkXPress 3.1 and later. It extends the capabilities of Sonar Bookends, Virginia Systems' index and table of contents generator. QuarkXPress users can now make a multilevel table of contents by marking each desired entry in their document using style sheets. The page numbers in the table of contents are in the same format as they are in the document, including any prefix information. The resulting table of contents can be imported into QuarkXPress or any word processor. User-marked entries can also be brought into Sonar Bookends for indexing.
$99.95 retail
Virginia Systems, Inc.; 5509 W. Bay Ct.; Midlothian, VA 23112; 804-739-3200 or 804-739-8376 (fax)

SpectrePlug-In Color Correction
Color correction filter
Macintosh with 68030 or 68040 processor; math coprocessor; 8 MB of RAM; 24-bit color; 32-bit QuickDraw; Photoshop 2.0.1 or later; System 6.0.5 or later.

SpectrePlug-In Color Correction adds professional-level CMYK color correction capabilities to Adobe Photoshop. The plug-in sets up a color correction table with six primary colors and up to six user-definable ones. Users can modify this table and apply it to their image.
$295 retail
Pre-Press Technologies, Inc.; 2443 Impala Dr.; Carlsbad, CA 92008; 619-931-2695 or 619-931-2698 (fax)

SpectrePlug-In Unsharp Masking
Unsharp masking filter
Macintosh with 68030 or 68040 processor; math coprocessor; 8 MB of RAM; 24-bit color; 32-bit QuickDraw; Photoshop 2.0.1 or later; System 6.0.5 or later.

SpectrePlug-In Unsharp Masking adds professional-level RGB or CMYK unsharp masking to Adobe Photoshop. It applies the level users want of smoothing or sharpening, or both. Now users can simultaneously smooth a subject's complexion while sharpening hair and eyes.
$295 retail
Pre-Press Technologies, Inc.; 2443 Impala Dr.; Carlsbad, CA 92008; 619-931-2695 or 619-931-2698 (fax)

SpectrePrint Pro 3.0
Professional color correction and separation software
Macintosh with 68030 or 68040 processor; math coprocessor; 8 MB of RAM; 24-bit color; 32-bit QuickDraw; System 6.0.5 or later.

SpectrePrint Pro gives users professional color correction and separation controls that range from unsharp masking to UCR and GCR. It lets users individually adjust the tonal range and gradation of the four process colors and globally correct colors to compensate for scanner deficiencies and printing ink impurities. Users can precisely control neutral tones by correcting with the gray balance curve; and adjust for press gain and specify screen frequencies and angles. SpectrePrint Pro's monitor calibration assures that an image will look the same on screen as it will in print using the paper stock that users have chosen. The densitometer shows before-and-after color values, press again and total ink coverage in easy-to-read graphic and numeric displays for reliable, repeatable results. Users also can scan and separate in "batch" mode. Users can scan as many images as they can fit on their scanner and assign different specifications for each.
$1,995 retail
Pre-Press Technologies, Inc.; 2443 Impala Dr.; Carlsbad, CA 92008; 619-931-2695 or 619-931-2698 (fax)

■ Starz
Create stars with three to 100 points
Macintosh Plus or larger; 5 MB of RAM; PageMaker 4.2; System 7.0 or later.

An Aldus Addition for PageMaker, Starz lets users instantly create stars with three to 100 points. Points can be of alternate heights. Users set the border, line thickness, fill them or leave them hollow and determine whether they want lines to connect the interior points of the star. All these options are available on one simple mouse-controlled screen. Starz also comes with a random generator that will automatically show thousands of unique, unduplicated stars. A complete color wheel with unlimited tints and shades for coloring the stars is included.
$39 retail
ShadeTree Marketing; 5515 N. 7th St., #5-144; Phoenix, AZ 85014; 602-279-3713, 800-678-8848 or 602-279-1874 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

■ **Stylin'**
Set up style sheets easily in QuarkXPress
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

Users of Stylin' can set up their style sheets in QuarkXPress to make it easy to change the attributes of blocks of text. Applying style sheets can become a nightmare when the new style sheet overwrites attributes users wanted to remain in the text. Stylin' allows users to apply style sheets to text while preventing selected attributes of the text from being overwritten by the new style sheet. Stylin' includes a palette similar to the QuarkXPress Style Sheets Palette. The XTension provides a comprehensive dialog that allows users to exclude any combination of attributes from being applied to the text with a series of check boxes. Any setting of the check boxes can be saved for later use with the click of a button.
$99 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

SymArt Pro
Film master manufacturing system
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later.

SymArt Pro offers users new ways to eliminate errors, reduce costs and administer PostScript bar-code production. New software breakthroughs organize and manage all bar-code symbol specifications for users — no more searching through records for all of a customer's requirements. Save and Open Formats creates a database of all the bar-code formats a company of clients use. Users may then select formats by name without worrying about technical bar-code specifications, text positioning and graphic positioning. Multiple lines of text, fonts, positions and sizes are now possible. Users can print film master styles on any page size without opening and positioning them in other application programs. All image emulsions (ND, NU, PD, PU) print on the same film like a checkerboard. Specifications, descriptions and corner marks can be printed automatically.
Call for pricing
Bar Code Systems, Inc.; 7000 Central Pkwy., Ste. 1210; Atlanta, GA 30328; 404-399-5921, 800-883-8300 or 404-399-7837 (fax)

T-Script V3.4
Software raster image processor
Macintosh Plus or larger.

T-Script Basic allows users to output PostScript text and graphics from any Macintosh application. It drives a variety of non-PostScript printers, such as Fargo Primera, HP LaserJet, DeskJet, DeskWriter, PaintJet, LaserWriter SC, StyleWriter, Personal LaserWriter LS and ImageWriter, GCC PLP, Canon LBP and BubbleJet series. It supports TrueType, Adobe Type 1 and Type 3 fonts and 24-bit color. The T-Script application is Chooser accessible (under System 7). It includes PostScript LaserWriter-compatible fonts, PostScript editor and screen preview up to 600 dpi (gray scale and color), helpful in learning PostScript and previewing before printing. T-Script Basic is System 7 compatible.

In addition to the features of T-Script Basic, T-Script allows output from most any Macintosh application to be converted into high-resolution TIFF or PICT files. Users may request any resolution up to 360 dpi. This conversion supports monochrome, gray-scale and color output TIFF files useful for sending via fax/modem and for modification in such programs as Adobe Photoshop. The T-Script application works on an AppleTalk network and can function as a server to other machines. T-Script also supports high-end color thermal printers, continuous tone dye sublimation printers and film recorders.

In addition to the features of T-Script, T-Script Deluxe allows output to be converted into very high-resolution TIFF or PICT files. Users may request any resolution up to 2,400 dpi. This conversion supports monochrome, gray-scale and color output TIFF, PICT or EPS files useful for sending via fax/modem, for modification in such programs as Adobe Photoshop and for driving high-resolution imagesetters and film printers and a variety of customized applications. T-Script Deluxe can function as an offline raster image processor, reducing the amount of time the output device spends in processing the document and has the ability to batch process an unlimited number of PostScript files. T-Script Deluxe features substantial increase in speed of rastering, as well as a multiple PostScript page preview mode.
$85 retail; T-Script Basic
$145 retail; T-Script
$495 retail; T-Script Deluxe
TeleTypesetting Co.; 311 Harvard St.; Brookline, MA 02146; 617-734-9700 or 617-734-3974 (fax)

Tableworks Plus
Table editor
Macintosh Plus or larger; 4 MB of RAM; QuarkXPress 3.1 or later; 13-inch or larger monitor.

Tableworks Plus provides a complete set of features for automating the creation of professional tables in QuarkXPress. It operates as a QuarkXPress XTension, adding its own menu, palettes and dialogs for a complete table editing environment, yet allowing all of QuarkXPress' formatting abilities when editing tables. Table text may be formatted and edited in the same way as any other part of a document. Lines, background color and framing styles may be applied automatically. Picture cells and rotated cells at any angle are supported. Table cells can be merged and split to achieve any sort of table structure. New features include dynamic multipage support, slanted rows or columns, row and column rearrangement capability, direct import of Excel data, justified spacing between columns or rows and much more.

Tableworks ShortCut provides many of the base features of Tableworks Plus, including individual row or column resizing; auto-sizing during typing; alternate row shading and rules; import of tab-delimited text; adjustable table configuration; title bar; custom shading or framing; and more. Tableworks ShortCut can be upgraded to Tableworks Plus.
$299 U.S. retail; Tableworks Plus
$99 U.S. retail; Tableworks ShortCut
Npath Software, Inc.; PO Box 523; Issaquah, WA 98027; 206-392-7745 or 206-392-7816 (fax)

■ **TeXT Tools**
Utilities to alter text in QuarkXPress
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

The TeXT Tools XTension includes several utilities for users to alter text in QuarkXPress documents, including: The Inserts & Align Palette; The Text Position Palette; Case Conversion; Enhanced Conversion; and Text Suppression
$79 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

TextLinker
Publish and Subscribe for text in QuarkXPress
Macintosh Plus or larger; 4 MB of RAM; QuarkXPress 3.1 or later; System 7.0 or later.

TextLinker is an XTension that adds System 7 Publish and Subscribe capability for text in QuarkXPress. Publish and Subscribe allows data to be linked between documents and between different applications that support Publish and Subscribe. With TextLinker, users can Publish text from an XPress document to be used in other documents; or Subscribe to text from other documents. TextLinker can be used with Tableworks Plus, allowing users to designate entire tables as Publishers or Subscribers. Now, publishing information that is subject to change, such as price lists or databases, can be automated with TextLinker.
$89 U.S. retail
Npath Software, Inc.; PO Box 523; Issaquah, WA 98027; 206-392-7745 or 206-392-7816 (fax)

■ **TeXTractor**
Text extraction in QuarkXPress
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

TeXTractor is a comprehensive text extraction XTension for QuarkXPress. With TeXTractor, users can export all of the text in a document or selected portions of the text using any filter currently available to QuarkXPress. Users choose one of four options when text is extracted: all boxes, style, imported stories and tagged stories.
$149 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ **Thesaurus reX**
Thesaurus for QuarkXPress
Macintosh Plus or larger; System 6.0.5 or later, QuarkXPress 3.2 or later.

Thesaurus reX is an electronic thesaurus of the English language for QuarkXPress. The XTension lets users look up synonyms in a 220,000-word thesaurus without ever leaving QuarkXPress — a valuable tool for users who are composing text within XPress documents. With Thesaurus reX, users can find the right word for their thought without taking their hands off the keyboard or their eyes off the screen. The thesaurus is as easy to activate and use as the XPress Check Spelling feature.
$69 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

TheTypeBook
Professional-quality typeface reference
Macintosh Plus or larger; 2 MB of RAM; System 6.0.4 or later.

TheTypeBook combines the most popular elements from various Type Catalogs into attractive and efficient page designs. Each of the available layouts has been designed to provide an optimum balance for the information versus the resources required — time, paper and toner. They can work individually or in harmony with the others to create a reference tailored to a user's needs. Users just launch TheTypeBook, select the typefaces and click the print button. Each sample page is handled as a separate print job. This breaks up the number of fonts required. The list of installed typefaces is sorted alphabetically by font family name and subsorted by the weight of each member of the family. TheTypeBook supports all PostScript Type 1, Type 3 and TrueType fonts. It is compatible with virtually any PostScript or QuickDraw-compatible printer.
$45 retail
Golden State Graphics; 2137 Candis Ave.; Santa Ana, CA 92706; 714-542-5518

■ **TIFFormation**
Places TIFF files in documents
Macintosh Plus or larger; System 7.0 or later; QuarkXPress 3.2 or later.

TIFFormation XTension displays detailed information about imported TIFFs, including the resolution, compression and the embedded description. TIFFormation includes a TIFF Check feature, which helps users to determine the best lpi setting to use for output of the TIFFs imported in the document. Users can experiment with different settings. TIFFormation lets users view information embedded in a TIFF file by LeafDesk. The XTension also comes with a companion application that is used to move the embedded Leaf Tags from the data fork of the TIFF file so that the tags are not overwritten by photo-retouching applications.
$69 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ **TimeStamp**
Applies unlimited time stamp to QuarkXPress documents
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

TimeStamp is an XTension for QuarkXPress versions 3.1 or later that allows users to apply unlimited time stamps to any document. The time stamps are automatically updated whenever the document is saved. Time stamps are useful to easily and accurately determine when a document was last revised. The time stamps can also include other valuable information about documents.
$49 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ Touch
Creates libraries that include graphics in QuarkXPress
Macintosh Plus or larger; system 6.0.5 or later; QuarkXPress 3.2 or later.

The Touch XTension creates libraries that can include graphics, QuarkXPress documents and text files. When adding items to a Touch library, items from Fetch catalogs can be copied into the library or they can be imported from a folder on the hard drive. Once items are in a Touch library, the entries may be sorted by the order they are imported, by their file name, file type, volume or folder. Touch gives users the convenience of being able to restrict which file types show in the library at any given time. This XTension allows users to drag entries onto a QuarkXPress page for easy placement. Imported graphics can be automatically sized to their picture box, the enclosing box may be sized to fit the graphic image or the graphic may be imported at 100 percent scale.
$179 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

Transverter
EPS to PICT vector translator
Macintosh Plus or larger.

Transverter translates EPS clip art into editable PICT files (QuickDraw). Now desktop publishers without PostScript drawing programs, such as MacDraw and SuperPaint, can use EPS clip art in their programs — no more gray tone clip art. Transverter lets users colorize EPS clip art in PowerPoint and Persuasion. Conversion into QuickDraw makes images compatible with most Macintosh applications and printed output looks great — even without a PostScript printer.
$29 retail
TechPool Software; 1463 Warrensville Center Rd.; Cleveland, OH 44121; 216-291-1922, 800-777-8930 or 216-382-1915 (fax)

Transverter Pro
Multifaceted tool for PostScript images and files
Macintosh Plus or larger.

Transverter Pro is a must-have utility for anyone working with PostScript files. Users can translate and import any PostScript file into FreeHand or Illustrator for editing, rasterize an image to high resolution for use in paint programs and translate PostScript files into editable images for QuickDraw applications, like MacDraw and SuperPaint. The program is a complete PostScript interpreter (EPS, AI, PS), translating files into PICT vector, PICT raster and TIFF. It supports the QuickDraw GX file format.
$395 retail
TechPool Software; 1463 Warrensville Center Rd.; Cleveland, OH 44121; 216-291-1922, 800-777-8930 or 216-382-1915 (fax)

Trumatch Colorfinder
Digital four-color matching system
Macintosh II.

Trumatch is a digital system for four-color specification and output on electronic imagesetters. More than 2,000 colors in four-color are provided, arranged by hue with 40 tints and shades of each hue. The four-color percentages appear on every swatch. A unique feature in the patented system is the even saturation steps of color, using the ability of digital tools to round-off YMCK to one percent, providing accurate, balanced proportions. Trumatch is a four-color palette in Adobe Photoshop, Adobe Illustrator, Aldus FreeHand, Aldus PageMaker, Aldus PhotoStyler, CorelDraw, Micrografx Designer and QuarkXPress.
$85 each retail; coated and uncoated editions
Trumatch, Inc.; 25 W. 43rd St., Ste. 802; New York, NY 10036; 212-302-9100, 212-517-2237 (fax) or 212-302-0890 (fax)

Tycho Table Maker 2.0
Creates tables for use in word processing and desktop publishing programs
Macintosh Plus or larger; 1 MB of RAM.

Tycho creates tables for use in PageMaker, QuarkXPress, DesignStudio, MacWrite and virtually any other word processing or desktop publishing program. Extremely easy to use and learn, Tycho is non-modal, WYSIWYG, fast, has no arbitrary size limits (table size is limited only by available memory), religiously follows the Mac interface and creates finished tables from existing data in as little as three commands. Tycho works in a 600K partition under MultiFinder, with plenty of room for creating multiple, multipage tables. The program provides full text, layout, shading and line control over any part of the table, or users may use style sheets for quicker formatting. Often-used tables can be opened as templates (styled tables without data). Large tables can be paginated in a variety of ways, with full page-by-page control over repeating of row and column headers, user-defined page breaks, automatic creation of spreads and much more.
$49.95 special
Macreations; 1630 30th St., #278; Boulder, CO 80301; 303-665-7250

TypeAlign
Type styling program
Macintosh Plus or larger.

TypeAlign is a simple, elegant desk accessory that works with all major page layout, word processing and presentation software programs. Using ATM, TypeAlign provides high-quality type manipulation for Apple ImageWriters, HP DeskWriters and all Adobe PostScript-supported laser printers and film recorders. TypeAlign uses familiar Macintosh tools to draw lines, arcs and free-form curves. Once the path is drawn, text can be typed directly onto the path or copied and pasted onto the path from any application. Rotation, skewing, perspective and distortion effects can be added simply by dragging points on the text block. TypeAlign features sophisticated typographic control, including kerning, which can be applied on a character pair, word or phrase. Kerning accuracy is up to 1/1,000th of an em space. TypeAlign can produce more than 16 million colors through three color models: RGB, CMYK and HSB. Color can be applied to a character, word or phrase. With TypeAlign, users can copy and paste their type effects directly into their major application, save them in PICT, EPS or Illustrator format, or print the effect directly from the desk accessory.
$99 retail
Adobe Systems, Inc.; 1585 Charleston Rd.; PO Box 7900; Mountain View, CA 94039; 415-961-4400, 800-833-6687 or 415-961-3769 (fax)

Typographer 1.0.0
Basic typesetting package with emphasis on justification, text spacing and type color
Macintosh Plus or larger; 1 MB of RAM; System 7.0 or later.

Typographer is a word processing and page layout program with emphasis on high-quality typography. Special attention is paid to text justification to optimize an entire paragraph for spacing, color and other optical considerations. Style sheets allow all attributes to be specified on a per character basis, with complete control over justification priorities. Style sheets can sequence to other style sheets at arbitrary decision points and may automatically add text. Automatic syntactic substitution allows easy text entry with both immediate and dynamic text substitutions. Characters, columns and graphics are treated as objects and allow a set of standard transformations to be applied, including scaling, skewing and rotation, with basic accuracy of 1/1,000th point and 1/1,000th degree.
$200 retail
HDS Systems; PO Box 42767; Tucson, AZ 85733; 602-325-3004

Ultimate Mac Impostrip
Electronic stripping
Macintosh SE or larger.

Ultimate Mac Impostrip brings electronic stripping to the Macintosh. It allows users to electronically assemble PostScript pages into finished signatures ready for printing. Users can manipulate all variables related to folding, collating, binding, press type and size. The program can output signature proofs to laser or other printers and finished signatures to PostScript output devices, onto film, RC paper or silver master-plate material. Mac Impostrip will support all color separation features of the desktop publishing program that generated the pages.
Call for pricing; depends on number of applications needed
Ultimate Technographics, Inc.; 800 Rene Levesque Blvd., Ste. 2660; Montreal, Quebec, Canada H3B 1X9; 514-954-9050, 800-363-3590 or 514-954-9057 (fax)

UtilityPak II
XTensions that enhance the user-interface and productivity of XPress
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; QuarkXPress 3.0 or later.

UtilityPak II consists of three XTensions that enhance the user-interface and productivity of XPress. This collection of XTensions includes: OverHang, GuideHider and SelectIt. OverHang gives users the ability to adjust the height of the pasteboard along the top and bottom edges of a page or spread. GuideHider gives QuarkXPress users the ability to specify user-defined keyboard commands for the "Show Guides," "Show Baseline Grid" and "Snap to Guides" menu items. SelectIt allows users to deselect and reselect active items with a user-defined keyboard command. This feature will prove beneficial to individuals who frequently work in magnified views and find themselves forced to zoom out to deselect active items.
$39 retail
XTend, Inc.; 2215 Polk Ave.; PO Box 7273; North Brunswick, NJ 08902; 908-821-6400 or 908-821-6801 (fax)

■ Verbaytum
Links stories to original text files in QuarkXPress
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

Verbaytum allows users to link stories to their original text files at the time they are imported, or the link can be established afterward. The story linking is similar to using the System 7 Publish and Subscribe feature, but Verbaytum works under System 6 as well as System 7. Verbaytum makes sure the imported story stays current. User options include automatically updating modified stories, as well as notifying the user of missing and modified stories when a document is opened. The XTension also provides a story usage dialog, which reports the current status of all imported stories in a document and allows updating of missing or modified stories.
$79 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ Vision Contents
Flexible table of contents for QuarkXPress
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

Vision Contents is a flexible table of contents creator for QuarkXPress. Instead of creating a table of contents for user publication by hand, Vision Contents lets users set preferences for the table. The table of contents is then created automatically, following the user-defined preferences. A table of contents can be created for a single document, or users can use the batch processing feature to quickly generate an accurate table of contents to describe any number of documents.
$149 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ Vision Utilities
Collection of utility functions for QuarkXPress
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

Vision Utilities is collection of utility functions for QuarkXPress that make everyday desktop publishing tasks easier. Features include: full fit picture; create guide grid; sort paragraphs; count selected words; quick text; and process colors.
$99 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ XNotes
Writes messages to QuarkXPress documents
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

XNotes is an XTension for QuarkXPress that allows users to write messages that become part of the QuarkXPress document. An XNote may be attached to a particular item within a document or to the document itself. The notes can be written, read, edited, deleted or printed by anyone who has a legal copy of XNotes. XNotes are not printed when a document is printed, but

These Products Available Through Bottom Line Distribution
1-800-347-1923

the notes may be printed as a report. The freeware XNote Reader only allows users to read and print existing notes. XNotes gives users a way to communicate with the person who might later open QuarkXPress documents. Suggested uses include providing directions to service bureaus or messages to other users.
$60 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ **XPreview**
Reads special resources embedded in XPress
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

XPreview is an application that reads special resources embedded in XPress documents by a QuarkXPress XTension. The application displays the vital statistics of the document, including the page size, number of pages, fonts, colors and imported pictures in the document. The application allows users to view thumbnail previews of each page of the document one page at a time. XPreview lets users load multiple documents into memory so that they may be accessed through the XPreview dialog's Documents pop-up menu. A listing of the XPreview information for all currently loaded documents may be printed out or saved as a text file for future reference. XPreview comes with a QuarkXPress XTension, Preview Editor Lite. This XTension saves preview data into a special resource every time users save their documents to make the documents compatible with XPreview.
$79 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

■ **XReference**
Automates cross-referencing in QuarkXPress
Macintosh Plus or larger; System 6.0.5 or later; QuarkXPress 3.2 or later.

XReference lets users set markers into the text and when they are visible, the marked text may be highlighted or colorized to help identify it. Reference markers are set into the text of documents at points in which the reader will be referred back to. Relation markers are then added using the Insert Relation palette, which places relation markers that refer back a specific reference marker. Once all markers are placed in the text, they are hidden and, with a single command, the XReference XTension places the page numbers where the reference is located at the spot indicated by the relation markers.
$129 retail
Vision's Edge, Inc.; 3491-11 Thomasville Rd., #177; Tallahassee, FL 32308; 904-386-4573, 800-983-6337 or 904-386-2594 (fax)

XTension Manager
Controls the loading of other XTensions when QuarkXPress is launched
Macintosh SE or larger; QuarkXPress.

XTension Manager is an XTension to QuarkXPress that controls the loading of other XTensions when QuarkXPress is launched. Similar to INIT pickers that allow INITs and CDEVs to be turned on and off, XTension Manager eliminates the annoyance of removing XTensions from the QuarkXPress folder when they are not needed.
$69 retail
DK&A, Inc.; 1010 Turquoise St., Ste. 300; San Diego, CA 92109; 619-488-8118 or 619-488-4021 (fax)

Document Imaging

■ **Banshee**
A/UX X-Window client
Macintosh II or larger; A/UX.

Banshee is an A/UX X-Window client. Macintosh, DOS or Unix X-servers may access Banshee for document viewing. Document types supported include TIFF, CALS, PIXRECT, GIF, JPEG, PICT, CCITT G2, G3, G4 and L2W. Fast find searches multiple libraries for drawing names. Pan and zoom are built in.
$399 retail; per X-server (site license available)
Microneering; 211 E. Culver Blvd., Ste. Q; Play Del Rey, CA 90293; 310-306-1153 or 800-423-0814

Document Management Systems
Solutions for the storage, retrieval and database management of documents, merged text and graphics and ASCII or OCR data files
Macintosh II or larger.

IMS offers two approaches for the storage, retrieval and database management of documents, merged text and graphics and ASCII or OCR data files. First is the Panasonic Electronic Filing System, a stand-alone dedicated workstation with a scanner that gobbles stacks of paper (40 pages/sec), stores images on removable optical disc and retrieves for view or print on demand. Alternately, for expandable, networkable and open-architecture solutions, IMS provides a four-hour consulting service designed to assist users in making critical equipment selections suited to their requirements. This includes the most efficient and dependable equipment necessary, compression and storage subsystems, quality display systems, telecommunications and database capabilities to meet current and future needs. A distributor of electronic imaging and optical disc products, IMS provides consulting, components and complete system configurations, worldwide.
Call for pricing
Image Management Systems, Inc.; 239 W. 15th St.; New York, NY 10011; 212-741-8765 or 212-243-2344 (fax)

Image Architect
Image management and rewritable optical storage system
Macintosh Plus or larger.

Image Architect is a complete image management and rewritable optical storage system that provides fast and easy access to large file and image libraries from anywhere on a Macintosh network. Image Architect comes complete with a network-ready server, file management software and either an optical storage subsystem or one of several jukebox autochangers, providing up to 186 GB of "hands-off" file access. From anywhere on the network, Image Architect offers tremendous flexibility in searching, viewing, manipulating and reporting of files and images. A complete catalog of all volumes is managed on hard disk. Thumbnails are automatically generated for all popular image file formats. This allows image files to be found visually. Thumbnails can be custom cropped for easier recognition. Built-in file aliasing allows one file to appear in several folders while using the disk space of only one copy. Custom keywords allow files to be organized by many different criteria.
$24,900 starting price retail
Alphatronix, Inc.; PO Box 13978; Research Triangle Park, NC 27709; 919-544-0001 or 919-544-4079 (fax)

Imagenation For Macintosh
Document imaging
Macintosh Classic or larger; 4 MB of RAM; System 7.0 or later.

Imagenation is a fast document imaging package that requires no hardware acceleration and consumes minimal memory. Office and engineering documents are easily handled. Fast multipage browsing, multiple concurrent documents and a reference window result in a powerful, easy-to-use tool. The Application Programming Interface simplifies end user integration and OEM customization. Data formats supported include CALS CCITT G4, TIFF, CCITT G3 (facsimile), RLE, RLC, HPGL and DXF. Document view and markup are available now, with edit to follow. Windows and Motif View/Markup/Edit versions are also available.
$495 retail
SPICER Corp.; 221 McIntyre Dr.; Kitchener, Ontario, Canada N2R 1G1; 519-748-2462 or 519-748-9457 (fax)

Leaf Sypress
Object archiving
Macintosh IIci or larger; 8 MB of RAM; 16-inch color display; network.

The Leaf Sypress offers storage and retrieval of text, graphics and images via LeafNet, Ethernet, ISDN or modem using the Leaf Picture Desk or Macintosh editing stations. It allows rapid access to millions of stored digital objects through an IBM RS/6000 with an AIX and Informix database.
$27,350 to $165,000 retail
Leaf Systems; 250 Turnpike Rd.; Southboro, MA 01772; 508-460-8300, 508-460-8304 (fax)800-685-9462 (Scitex America Corp.)

The Macintosh View Workstation
Provides integration with technical document image systems
Macintosh II family.

The View Workstation for the Macintosh II is a software package that brings powerful technical document management functions to the Macintosh platform. The View Workstation allows users to instantly view images of drawings as large as E-size that have been captured by Alpharel/Optigraphics scanners. The Macintosh View Workstation connects users into a network of image workstations in an Alpharel/Optigraphics System comprised of Macintosh, PS/2, PC and Unix workstations — designed to provide the right information to the right people at the right time. The View Workstation is easy to operate, with standard Macintosh pull-down menus, view windows and icons. Documents are accessed via network communications, which greatly simplifies the gathering of information. The package pans and zooms images dynamically at subsecond speeds to ensure quick examinations of all drawing areas at various levels of magnification. View Workstations can be networked with other types of workstations, scanners, plotters and storage devices to form a powerful information and image manager system.
Call for pricing
Alpharel/Optigraphics Corp.; 9339 Carroll Park Dr.; San Diego, CA 92121; 619-625-3000 or 619-546-7671 (fax)

MARS Viking
Provides linked-departmental document imaging
Macintosh with 68020 processor or larger; 5 MB of RAM; System 6.0.5 or later.

MARS Viking represents a quantum leap toward true enterprise-wide document management. It provides linked-departmental document imaging for large organizations and allows both Macintosh and Windows users to access powerful RISC/Unix servers. Based on the MD MARS product line, MARS Viking integrates Microsoft, PC and Unix machines. Viking provides a distributed architecture with virtually unlimited storage that is easy to scale and easy to tune to different performance demands.
Call for pricing
Micro Dynamics, Ltd.; 8555 16th St., 7th Fl.; Silver Spring, MD 20910; 301-589-6300 or 301-589-3414 (fax)

Micro Dynamics MARS
Multiuser archival and retrieval system
Macintosh with 68000 processor or larger; System 6.0.5 or later.

The Micro Dynamics MARS (Multiuser Archival and Retrieval System) is an imaging system that stores millions of documents from a broad range of information types, including paper documents, computer-generated files, color and black and white photographs, x-rays, microfilm, sound and video. The system stores this information on optical disks — a highly reliable medium. Users can retrieve information in two ways: by using descriptive keyword searches or by searching on any word or phrase contained in a document's text. With MD MARS 3.0, the latest version of the software, users can also attach text or voice notes to a document, and edit or redact a document. Clients currently use MD MARS to manage corporate records, legal case-related documents, correspondence tracking, new drug applications, student records, technical research and documentation, proposals, manufacturing reports, signature verification and many other applications.
Call for pricing
Micro Dynamics, Ltd.; 8555 16th St., 7th Fl.; Silver Spring, MD 20910; 301-589-6300 or 301-589-3414 (fax)

Oasis
Open architecture software imaging system
Macintosh 512KE or larger.

Basic document storage and retrieval systems seek to use the best compression methods to reduce the amount of storage for what may be millions of documents. CCITT Group IV is widely used for this compression.

Oasis permits users to access a document image database and display the document locally on any Macintosh without the addition of decompression hardware. Markup tools provide easy markup of original documents. CCITT and TIFF are methods for storing raster images. Oasis converts bi-tonal to gray scale, then performs resizing functions, generating higher-quality bi-tonal output on black and white Macintosh monitors, up to 2,540 dpi laser printers and true gray-scale display on Macintosh II and Scuzzy-Graph systems. QuickTime compressed PICT is supported.
$399 retail; site licenses available
Microneering; 211 E. Culver Blvd., Ste. Q; Play Del Rey, CA 90293; 310-306-1153 or 800-423-0814

ODDS
Oasis document distribution system
Macintosh 512K or larger.

The ODDS system makes it possible to distribute large amounts of printed and graphic materials, such as magazines, price lists, bidding specifications, period updates, etc., in a machine readable format rather than on paper or microfilm media. One diskette can store 50 documents in compressed CCITT Group IV, reducing reproduction, configuration management and postage. E-size and larger documents are easily viewed or printed. PC-DOS and Windows are supported. Documents are coded for security and may be electronically distributed over telephone lines.
$149 retail
Microneering; 211 E. Culver Blvd., Ste. Q; Play Del Rey, CA 90293; 310-306-1153 or 800-423-0814

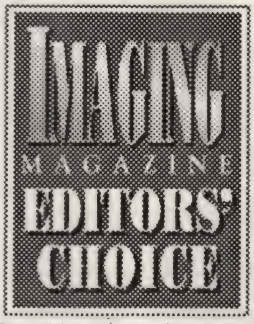
Optix 4.0
Document imaging and electronic document management software
Macintosh II family.

Optix software turns a Macintosh and a scanner into a stand-alone document imaging and electronic document management system that lets users scan, index, annotate and archive all of their paper or microfilm documents to a Macintosh — like an electronic file cabinet. Users can also index, archive and retrieve the files already on the computer, such as spreadsheets, word processing documents, databases and graphics files. Users can then use the power and speed of the computer to retrieve exactly the documents they want, whenever they want them, in seconds. Optix includes a powerful database to index a million or more documents, "post-it note" annotation of images, forms dropout and forms overlay, lightning fast CCITT Group IV compression and decompression, a built-in applications generator, thumbnail views of multipage documents, image enhancement tools and support for high-performance scanners and printers from letter- to blueprint-size. Optix can serve as a stand-alone imaging system or several Optix workstations can share data on an AppleShare file server. For larger networks, Optix can be a workstation on Optix Network — a multiuser system featuring a powerful Unix/SQL server. Optix also works with the optional Optix OCR Engines and the optional Optix Natural Language Search text search software.
$995 U.S. retail
Blueridge Technologies, Inc.; PO Box 430; Flint Hill Sq.; Flint Hill, VA 22627; 703-675-3015 or 703-675-3130 (fax)

Optix FaxServer
Multiuser fax server for Optix Imaging Systems
Macintosh II family; Optix 4.0 or later.

The Optix FaxServer software receives incoming faxes via popular fax modems and queues these faxes for indexing and archiving on the Optix Document Imaging and Electronic Document Management System. The Optix FaxServer also permits multiple Optix users to send faxes of document images from within Optix.
$1,995 U.S. retail
Blueridge Technologies, Inc.; PO Box 430; Flint Hill Sq.; Flint Hill, VA 22627; 703-675-3015 or 703-675-3130 (fax)

Optix Network
Multiuser document imaging and electronic document management system
Macintosh II family.



Optix Network is a document imaging and electronic document management system that permits a large number of users to archive and retrieve literally millions of document images, including scanned images of everything from microfilm to blueprints, and computer files of all types, including spreadsheets, word processing documents, databases and graphic files. Optix Network features Macintosh (or Windows) workstations attached to an image server that is running Informix SQL-DBMS under A/UX. Optix Network takes advantage of the multitasking, multiuser capabilities inherent in Unix. Retrieving an image on an Optix Network takes less than a second, even when other users are accessing the system simultaneously. Optix Network provides Boolean, wild-card and range searching capabilities and can handle multiple databases of millions of documents. Optix Network features the Optix User Interface and includes "post-it note" annotation of images and an application generator that lets even novice users create their own index screens. Optix Network also works with the optional Optix OCR Engines, the optional Optix Natural Language Search text search software and optional Optix Workflow software. Because of its adherence to such standards as TIFF, CCITT Group IV compression and decompression, Unix and SQL, Optix is easily integrated into existing MIS environments.
$75,000 and up U.S. retail
Blueridge Technologies, Inc.; PO Box 430; Flint Hill Sq.; Flint Hill, VA 22627; 703-675-3015 or 703-675-3130 (fax)

Optix Workflow
Electronic workflow software for Optix Network
Macintosh II family; Optix 4.0 or later.

Optix Workflow software adds to an Optix Network the ability to move documents through an organization electronically, instead of by hand. Information can get to the people who need it much faster than before and more work can get done. The bottlenecks that are part of a paper routing system — copying documents, moving documents from one desk to another or one building to another, re-routing documents when someone is absent, manually keeping track of documents as they move, locating documents when they are lost or misplaced — all of these are eliminated by electronic workflow. Optix Workflow includes an applications builder that permits users to create their own routing and distribution flows, and electronically re-engineer the way they process information, for greater productivity at a lower cost.
$40,000 starting price U.S. retail
Blueridge Technologies, Inc.; PO Box 430; Flint Hill Sq.; Flint Hill, VA 22627; 703-675-3015 or 703-675-3130 (fax)

Sonar Image
Document imaging system
Macintosh II or larger; 8 MB of RAM; hard disk drive or optical disk drive; System 7.0 or later.

Sonar Image is a document imaging system that combines Virginia Systems' Sonar Professional text retrieval system with a special version of Caere's OmniPage OCR system in a seamless manner. Imaging is completely controlled from within Sonar, with OmniPage operating silently in the background. Each imaged document is stored as a single file. As each page of a document is scanned, the image and recognized text are saved for later retrieval. Users can search for any word or phrase in the scanned documents and can then view the recognized text and page images side by side. The images can be printed or copied and pasted, as can the recognized text. A wide variety of scanners and automatic document feeders are supported. Word processor files can be searched in conjunction with imaged files.
$1,295 retail
$795 retail; personal edition
$4,216 retail; five pack
$6,933.75 retail; 10 pack
Virginia Systems, Inc.; 5509 W. Bay Ct.; Midlothian, VA 23112; 804-739-3200 or 804-739-8376 (fax)

Workflow Administrator 2.0
Document management system
Macintosh II or larger; 12 MB of RAM; hard disk drive; System 7.0 or later.

Workflow Administrator is a configurable client-server multiplatform work management file system. It manages files from virtually any Macintosh application: Microsoft Word, Adobe Photoshop, Adobe Illustrator, Aldus FreeHand etc. WorkFlow Administrator is based on a relational database, 4th Dimension 3.0, and Macintosh Inter Application Communication (IAC) technology. This product provides unique file access through the work group, automatic archive and file backup and advanced routing and scheduling capabilities, including user notification. New features are extensive querying capabilities and windows clients. WorkFlow Administrator also provides a simple interface to scripting products, such as UserLand Frontier, that allows customized query of any file in the database.
$3,225 retail; one server, four clients
North Atlantic Publishing Systems, Inc.; 9 Acton Rd., Ste. 13; Chelmsford, MA 01824; 508-250-8080 or 508-250-8179 (fax)

Fonts

A Thousand Fonts
TrueType, Type 1, Type 1 and bit-mapped fonts
Macintosh Plus or larger; CD-ROM drive.
$39.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Aakar
PostScript typefaces for all Indian languages
Macintosh Plus or larger; Any PostScript printer; System 5.0 or later.
$50 to $500 U.S. retail
Black & White Systems; 22, Jagriti Enclave; I.P. Extension-Part II; New Delhi—110 092, India; 11-220-1391, 11-241-6945 or 11-685-4001 (fax)

Adobe Font Folio
Provides access to the collection of typefaces in the Adobe Type Library
Macintosh Plus or larger.
$14,000 retail; hard disk
$8,250 retail; CD-ROM
Adobe Systems, Inc.; 1585 Charleston Rd.; PO Box 7900; Mountain View, CA 94039; 415-961-4400, 800-833-6687 or 415-961-3769 (fax)

■ **Adobe Type Manager 3.5.3-J**
Japanese and Roman PostScript fonts
Macintosh Plus or larger; 4 MB of RAM (6 MB for System 7); Japanese Language Kit with System 7.1 or KanjiTalk 6.0.7 or later.

Adobe Type Manager-Japanese (ATM-J) provides sharp display images and high-quality output for the two Japanese and 13 Roman fonts included in the package. Ryumin Light and ChuGothic BBB, the Japanese fonts in ATM-J, support JIS level1 and 2 kanji, as well as kana, Roman and symbol characters. They also support vertical, horizontal, rotated and skewed fonts (in applications that provide these features). Documentation is in Japanese.
$395 retail
Qualitas Trading Co.; 2029 Durant Ave.; Berkeley, CA 94704; 510-848-8080 or 510-848-8009 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

Adobe Type Set Packages
Adobe Type 1 faces
Macintosh Plus or larger.
$99 to $198 per set retail
Adobe Systems, Inc.; 1585 Charleston Rd.; PO Box 7900; Mountain View, CA 94039; 415-961-4400, 800-833-6687 or 415-961-3769 (fax)

Adobe Typeface Library
More than 1,500 typefaces
Macintosh 512K or larger; LaserWriter.
$95 to $370 retail
Adobe Systems, Inc.; 1585 Charleston Rd.; PO Box 7900; Mountain View, CA 94039; 415-961-4400, 800-833-6687 or 415-961-3769 (fax)

Affordable Type 1 Fonts
PostScript typefaces in Type 1 format
Macintosh Plus or larger; PostScript printer.
$40 retail; set of 90 typefaces
Ingrimayne Software; PO Box 404; Rensselaer, IN 47978; 219-866-6241

Alchemy Symbols
TrueType and Type 1 fonts
Any Macintosh; System 6.0.7 or later.
$39.95 retail
Deniart Systems; Box 1074, Adelaide Station; Toronto, Ontario, Canada M5C 2K5; 416-941-0919 or 416-941-0948 (fax)

Allotype Typographics
Downloadable LaserWriter fonts
Macintosh 512K or larger; LaserWriter.
$40 to $160 retail
Allotype Typographics; 221 S. Washington St.; Ypsilanti, MI 48197; 313-480-3666

American Mathematical Society PostScript Fonts
Mathematical figures and symbols
Macintosh Plus or larger.
$125 retail
Blue Sky Research; 534 SW 3rd Ave.; Portland, OR 97204; 503-222-9571, 800-622-8398 or 503-222-1643 (fax)

Apple Font Pack For Macintosh
TrueType fonts
Macintosh Plus or larger; System 7.0 or later.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

APS-TypeScriber
PostScript Type 1 fonts on CD-ROM
Macintosh Plus or larger; CD-ROM drive.
$40 per font retail
$99 retail; locked
$13,500 retail; unlocked
Autologic; 1050 Rancho Conejo Blvd.; Thousand Oaks, CA 91320; 805-498-9611 or 805-499-1167 (fax)

Art EPS Fonts
PostScript pictorial fonts
Any Macintosh; PostScript printer or typesetter.
$49.95 each retail
Freemyers Design; 575 Nelson Ave.; Oroville, CA 95965; 916-533-9365

ArtFonts 2.1
21 downloadable PostScript typefaces
Any Macintosh; PostScript printer.
$149 retail
Olduvai Corp.; 9200 S. Dadeland Blvd., Ste. 725; Miami, FL 33156; 305-670-1112, 800-548-5151 or 305-670-1992 (fax)

ATM Library Value Pack-J
Allows a Macintosh running KanjiTalk to display and print Japanese and Roman text at any size
Macintosh Plus or larger; 4 MB of RAM (6 MB for System 7); hard disk drive; Japanese Language Kit with System 7.1 or KanjiTalk 6.0.7 or later.
$295 retail
Qualitas Trading Co.; 2029 Durant Ave.; Berkeley, CA 94704; 510-848-8080 or 510-848-8009 (fax)

■ **ATM Plus Pack-J**
Displays and prints Japanese and Roman PostScript fonts
Macintosh Plus or larger; 4 MB of RAM (6 MB for System 7); Japanese Language Kit with System 7.1 or KanjiTalk 6.0.7 or later.
Adobe Type Manager-Japanese (ATM-J) provides sharp display images and high-quality output for the three Japanese and 22 Roman fonts included in the package. FutoMin, FutoGo and JUN, the Japanese fonts in the ATM Plus Pack-J, support JIS level 1 and 2 kanji, as well as kana, Roman and symbol characters. They also support vertical, horizontal, rotated and skewed fonts (in applications that provide these features). Documentation is in Japanese.
$495 retail
Qualitas Trading Co.; 2029 Durant Ave.; Berkeley, CA 94704; 510-848-8080 or 510-848-8009 (fax)

Azalea Bar-Code Fonts
Quality bar-code and OCR fonts
Macintosh Plus or larger.
$149 retail; UPCTools
$59 retail; POSTools
$149 retail; C39Tools
$99 retail; OCR-A/OCR-B
$99 to $129 retail; PageMaker Additions
Azalea Software, Inc.; PO Box 16745; Seattle, WA 98116; 206-932-4030 or 206-935-5919 (fax)

Bar Code Font Library
PostScript bar codes and utilities
Any Macintosh; PostScript printer.
$149 per package retail; free font catalog available
Rivers Edge Corp.; 10902 Forest Summit; San Antonio, TX 78233; 210-590-9528 or 210-656-8993 (fax)

Beverly Hills II
PostScript Type 1/TrueType fonts
Macintosh Plus or larger; ImageWriter I/II/LQ, PostScript or QuickDraw laser printer or imagesetter.
$95 retail
ADH Software; PO Box 67129; Los Angeles, CA 90067

Bharat
Devanagari language typeface
Macintosh Plus or larger; System 5.0 or later.
$70 to $325 U.S. retail
Black & White Systems; 22, Jagriti Enclave; I.P. Extension-Part II; New Delhi—110 092, India; 11-220-1391, 11-241-6945 or 11-685-4001 (fax)

Bill's Picture Fonts
Type 1 PostScript picture fonts
Macintosh Plus or larger.
$29.95 each retail
$49.95 retail; complete set
U-Design Type Foundry; 270 Farmington Ave.; Hartford, CT 06105; 203-278-3648, 800-945-3648 or 203-278-3003 (fax)

Bitstream Li'l Bits
Novelty font packs
Macintosh Classic or larger; 1 MB of RAM (2 MB for System 7); hard disk drive; System 6.0 or later.
$19.95 each retail; Star Trek or Star Trek: The Next Generation
Bitstream Inc.; Athenaeum House; 215 First St.; Cambridge, MA 02142; 617-497-6222, 800-237-3335 or 617-868-4732 (fax)

Bitstream Typeface Library For The Macintosh
PostScript typefaces
Macintosh 512K or larger; hard disk drive recommended; any PostScript or compatible output device or QuickDraw printer with ATM.
$32.25 each retail; users may not break up suitcase groupings
Bitstream Inc.; Athenaeum House; 215 First St.; Cambridge, MA 02142; 617-497-6222, 800-237-3335 or 617-868-4732 (fax)

Bitstream TypeShop
Bitstream Typeface Library in PostScript Type 1 format
Macintosh Plus or lager; 2 MB of RAM; hard disk drive; System 6.0.5 or later; CD-ROM drive.
$1,089 retail
Bitstream Inc.; Athenaeum House; 215 First St.; Cambridge, MA 02142; 617-497-6222, 800-237-3335 or 617-868-4732 (fax)

Bosporos
PostScript font for classical Greek
Any Macintosh; any PostScript printer.
$85 retail
Allotype Typographics; 221 S. Washington St.; Ypsilanti, MI 48197; 313-480-3666

BrushFonts 1.0
Brush-styled PostScript typefaces
Macintosh Plus or larger; System 6.0.5 or later.
$129 retail
Olduvai Corp.; 9200 S. Dadeland Blvd., Ste. 725; Miami, FL 33156; 305-670-1112, 800-548-5151 or 305-670-1992 (fax)

Bullets & Boxes Version 1.4
PostScript font
Macintosh 512K or larger; any PostScript printer.
$89 retail
Caseys' Page Mill; 6528 S. Oneida Ct.; Englewood, CO 80111; 303-220-1463, 800-544-5620 or 303-220-1477 (fax)

Callifonts Package of 66 Fonts
Calligraphy typefaces; 66 fonts total
Macintosh Plus or larger; System 6.0 with Adobe Type Manager (PostScript), or System 7.0 or later (TrueType).
$129 per disk retail
Callifonts; PO Box 224891; Dallas, TX 75222; 214-504-8808

Catskills
Presents English letters in a Hebrew style
Macintosh Plus or larger.
$39.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

The Complete Font Librarian
Bit-mapped and laser fonts
Any Macintosh.
$79.95 retail
Showker Graphic Arts & Design; 15 SouthGate Ct.; Harrisonburg, VA 22801; 703-433-8402

Computer Modern PostScript Fonts
Scientific and mathematical figures and symbols
Macintosh Plus or larger.
$149 retail
Blue Sky Research; 534 SW 3rd Ave.; Portland, OR 97204; 503-222-9571, 800-622-8398 or 503-222-1643 (fax)

CoolFonts 1.0
PostScript typefaces
Macintosh Plus or larger; System 6.0.5 or later.
$129 retail
Olduvai Corp.; 9200 S. Dadeland Blvd., Ste. 725; Miami, FL 33156; 305-670-1112, 800-548-5151 or 305-670-1992 (fax)

DavkaBats
Judaic symbols and signs in PostScript and TrueType
Macintosh Plus or larger.
$39.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

■ **Dingbat Magician**
Create logos, patterns and colorful designs
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later; color monitor recommended.
Dingbat Magician allows users to create logos, patterns and colorful designs using dingbat and picture fonts. Magician can use dingbat fonts to create designs faster and more efficiently than with conventional drawing programs. Dingbat objects are assembled and manipulated in a free-form working environment, allowing users to spend more time with the design and brainstorming process. Dingbat Magician is made to be "simply useful."
$24.95 retail

Handcraftedfonts Co.; PO Box 14013; Philadelphia, PA 19122

Dingbatz!
TrueType dingbats font set
Any Macintosh; System 7.0 or later.
$39.95 retail
Raymark Enterprises; PO Box 70443; Oakland, CA 94612; 510-839-1784, 800-227-7532 or 510-814-9807 (fax)

Duxbury Braille Font For Adobe Type Manager
Allows users to view and print simulated braille
Macintosh Plus or larger; System 6.0 or later with ATM or LaserWriter printer (or both).
$99 retail
Duxbury Systems, Inc.; 435 King St.; PO Box 1504; Littleton, MA 01460; 508-486-9766 or 508-486-9712 (fax)

Eastern European Library
PostScript Type 1 and TrueType fonts
Macintosh Plus or larger; System 6.0.5 or later.
$149 retail
Casady & Greene, Inc.; 22734 Portola Dr.; Salinas, CA 93908; 408-484-9228, 800-359-4920 or 408-484-9218 (fax)

Egyptian Hieroglyphics
TrueType fonts
Any Macintosh; System 6.0.7 or later.
$49.95 retail
Deniart Systems; Box 1074, Adelaide Station; Toronto, Ontario, Canada M5C 2K5; 416-941-0919 or 416-941-0948 (fax)

EmDash FontSet
Collection of 24 Type 1 PostScript or TrueType fonts
Macintosh 512K or larger.
$65 retail; complete set
EmDash; PO Box 8256; Northfield, IL 60093; 708-441-6699

Emigre Fonts
PostScript and TrueType fonts
Any Macintosh; System 6.0.3 or later.
$59 to $95 per family package retail; two to four faces per family
A free catalog is available
Emigre; 4475 "D" St.; Sacramento, CA 95819; 916-451-4344, 800-944-9021 or 916-451-4351 (fax)

Faces Plus
16-color fonts
Macintosh LC or larger; CD-ROM drive.
$149 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

FEBTechnical And FEBTechSerif Fonts
TrueType and PostScript fonts developed especially for chemistry, physics and engineering technical users
Macintosh Plus or larger; 1 MB of RAM; hard disk drive recommended; use of TrueType font with System 6 requires TrueType INIT from Apple Computer; System 6.0x or later.
$59.95 each retail
$99 retail; both fonts
Famous Engineer Brand Software; 4855 Finlay St.; Richmond, VA 23231; 804-222-2215 or 804-226-1934 (fax)

Fluent Laser Font Library 2
PostScript and/or TrueType fonts
Macintosh 512K or larger.
$69.95 retail; PostScript or TrueType version
$99.95 retail; both PostScript and TrueType fonts
Casady & Greene, Inc.; 22734 Portola Dr.; Salinas, CA 93908; 408-484-9228, 800-359-4920 or 408-484-9218 (fax)

Fluent Laser Fonts TrueType Starter Set
22 typestyles
Macintosh 512K or larger; System 6.0.5 or later.
$29.95 retail
Casady & Greene, Inc.; 22734 Portola Dr.; Salinas, CA 93908; 408-484-9228, 800-359-4920 or 408-484-9218 (fax)

The Font Company Type Library
PostScript fonts
Any Macintosh.
$49.95 to $169.95 per font package retail; library and collection pricing available
The Font Co., Inc.; 7850 E. Evans Rd., Ste. 111; Scottsdale, AZ 85260; 602-998-9711

Font Frontier
117 high-quality Type 1 and TrueType fonts
Macintosh Plus or larger; System 6.0.7 or later for TrueType fonts; Adobe Type Manager for Type 1 fonts; CD-ROM drive.
$49.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Font Fun House
Fonts in TrueType or Type 1 PostScript formats
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive.
$19 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

Font Pro
More than 125 fonts per volume
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive.
$25 each retail; Volume 1/Essentials or Volume 2/Types of Distinction
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

FontBank Online
Electronic delivery of fonts, clip art and graphics
Any Macintosh; CompuServe; modem.
Pricing available online
FontBank, Inc.; 2620 Central St.; Evanston, IL 60201; 708-328-7370 or 708-328-7491 (fax)

FontBank Type Companion
PostScript and TrueType display typefaces
Macintosh Plus or larger; Adobe Type Manager or PostScript printer optional.
$49.95 retail
FontBank, Inc.; 2620 Central St.; Evanston, IL 60201; 708-328-7370 or 708-328-7491 (fax)

Fontek DesignFonts
Collections of spot illustrations in font format
Macintosh SE or larger.
$89.95 per collection retail
$349 retail; for six pre-selected collections
Letraset USA; 40 Eisenhower Dr.; Paramus, NJ 07653; 201-845-6100, 800-343-8973 or 201-845-5047 (fax)

FontHaus Fonts
PostScript and TrueType fonts
Macintosh Plus or larger.
$29 and up retail
FontHaus, Inc.; 1375 Kings Highway E; Fairfield, CT 06430; 203-367-1993, 800-942-9110 or 203-367-1860 (fax)

FontHaus PictureFonts
PostScript Type 1 fonts comprised of pictures, borders and ornaments
Macintosh Classic or larger.
$49 each retail
$59 each retail; packaged sets
$169 retail; all six sets
FontHaus, Inc.; 1375 Kings Highway E; Fairfield, CT 06430; 203-367-1993, 800-942-9110 or 203-367-1860 (fax)

Fontpaks
Fonts in Type 1 PostScript and TrueType formats
Macintosh Plus or larger.
Call for pricing
Image Club Graphics; 729 24th Ave. SE; Calgary, Alberta, Canada T2G 1P5; 403-262-8008, 800-661-9410 (orders & free catalog) or 403-261-7013 (fax)

FontWorks
PostScript Japanese fonts
Macintosh with 2 MB of RAM (8 MB with System 7); hard disk drive; KanjiTalk 6.0.2 or later; Adobe PostScript-J or compatible printer; System 7.1 with Japanese Language Kit.
$795 retail; each particular style and weight
Pacific Rim Connections, Inc.; 1838 El Camino Real, Ste. 109; Burlingame, CA 94010; 415-697-0911, 800-745-0911 or 415-697-9439 (fax)

Foreign Language Laser Fonts
All alphabets of the world
Macintosh Plus or larger.
$40 to $80 direct; PostScript and TrueType laser fonts
Contact vendor for catalog, license agreement and order forms
Ecological Linguistics; PO Box 15156; Washington, DC 20003; 202-546-5862

Foreign-Language Fonts
ImageWriter and LaserWriter fonts for 200 languages
Any Macintosh; ImageWriter or LaserWriter.
$49.95 to $149.95 retail
Linguist's Software; PO Box 580; Edmonds, WA 98020; 206-775-1130 or 206-771-5911 (fax)

FrankenFont
Customizable picture fonts for creating pictographic human figures
Macintosh Plus or larger.
$35 retail
Handcraftedfonts Co.; PO Box 14013; Philadelphia, PA 19122

Glasnost Cyrillic Library 2
PostScript and TrueType fonts
Macintosh 512K or larger.
$149 retail
Casady & Greene, Inc.; 22734 Portola Dr.; Salinas, CA 93908; 408-484-9228, 800-359-4920 or 408-484-9218 (fax)

■ **GraphicalsOne**
Symbols representing Indian culture and its various religions
Macintosh Plus or larger.
GraphicalsOne is a unique collection of symbols representing Indian culture and its various religions. The typeface consists of characters that can be used to depict the Indian touch. These motifs deal with various subjects, such as auspicious symbols, religious symbols and simple figures that have come to be identified with the Indian ethos. The typeface has been created such that characters can combine with characters to form complex shapes.
Call or write for pricing
Black & White Systems; 22, Jagriti Enclave; I.P. Extension-Part II; New Delhi—110 092, India; 11-220-1391, 11-241-6945 or 11-685-4001 (fax)

GreekKeys
Ancient Greek fonts for ImageWriter, LaserWriter and other Macintosh printers
Macintosh Plus or larger.
$50 retail
Scholars Press Software; PO Box 15399; Atlanta, GA 30333; 404-727-2320 or 800-437-6692

Handcraftedfonts Collection
Hand-drawn PostScript and TrueType fonts
Macintosh Plus or larger.
$35 per weight retail
Handcraftedfonts Co.; PO Box 14013; Philadelphia, PA 19122

Hebrew Fonts
Hebrew PostScript and TrueType fonts; more than 20 styles available
Macintosh Plus or larger.
$50 each retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

Image Club LetterPress CD-ROM 5.0
PostScript typefaces
Macintosh Plus or larger; PostScript laser printer; CD-ROM drive.
$1,499 retail; all fonts
Image Club Graphics; 729 24th Ave. SE; Calgary, Alberta, Canada T2G 1P5; 403-262-8008, 800-661-9410 (orders & free catalog) or 403-261-7013 (fax)

Imaja Font Collection #1
Fonts in Type 1 and TrueType formats
Macintosh Plus or larger.
$100 retail
Imaja; PO Box 6386; Albany, CA 94706; 510-526-4621, 800-294-6252 or 510-559-9571 (fax)

Judith Sutcliffe Original Design Typefaces
Distinctive, original fonts
Macintosh Plus or larger.
$45 to $80 retail
Judith Sutcliffe: The Electric Typographer; 2216 Cliff Dr.; Santa Barbara, CA 93109; 805-966-7563

KwikLogo Font
Custom logo font
Macintosh Plus or larger.
$99 and up retail; send a copy of logo for exact quote
Handcraftedfonts Co.; PO Box 14013; Philadelphia, PA 19122

KwikSignature Font
Custom signature font
Macintosh Plus or larger.
$49 retail
Handcraftedfonts Co.; PO Box 14013; Philadelphia, PA 19122

Letraset Fontek Digital Typeface Library
Type 1 and TrueType fonts
Any Macintosh.
$39.95 each retail
Letraset USA; 40 Eisenhower Dr.; Paramus, NJ 07653; 201-845-6100, 800-343-8973 or 201-845-5047 (fax)

LetraStudio 2.0
Software for creating unique logos and headlines
Macintosh Classic or larger; 2 MB of RAM recommended.
$249 retail
Letraset USA; 40 Eisenhower Dr.; Paramus, NJ 07653; 201-845-6100, 800-343-8973 or 201-845-5047 (fax)

Letter•Perfect Fonts
Typefaces in PostScript Type 1 and TrueType formats
Any Macintosh; PostScript printer.
$39 retail; each individual font (font family sets also available)
Letter•Perfect; PO Box 785; Gig Harbor, WA 98335; 206-851-5158, 800-929-1951 or 206-851-5158 (fax)

The Linotype Library
PostScript fonts
Macintosh Plus or larger.
$185 retail; packages vary
Linotype-Hell Co.; 425 Oser Ave.; Hauppauge, NY 11788; 516-434-2000, 800-633-1900 or 516-434-2706 (fax)

Linotype-Hell's Concert Series
Complete collection of PostScript typefaces from The Linotype Library
Macintosh Plus or larger.
Prices vary according to configuration
Linotype-Hell Co.; 425 Oser Ave.; Hauppauge, NY 11788; 516-434-2000, 800-633-1900 or 516-434-2706 (fax)

Lucida Bright/Lucida New Math PostScript Fonts
Math PostScript fonts
Macintosh Plus or larger.
$245 retail
$165 retail; educational
Blue Sky Research; 534 SW 3rd Ave.; Portland, OR 97204; 503-222-9571, 800-622-8398 or 503-222-1643 (fax)

MacTut/ProGlyph 2.0 (WetPaint Volume 19-20)
Ancient Egyptian hieroglyphic fonts and artwork
Macintosh 512KE or larger.
$89.95 retail
Dubl-Click Software, Inc.; 20310 Empire Ave., Ste. A102; Bend, OR 97702; 503-317-0355 or 503-317-0430 (fax)

MathMaker Fonts
Type fractions, roots, number lines and grids as text
Macintosh Plus or larger.
$49 retail; education discounts and site licenses available
Mountain Lake Software, Inc.; 298 4th Ave., #401; San Francisco, CA 94118; 415-752-6515, 800-669-6574 or 415-752-6506 (fax)

MathTime PostScript Fonts
TEX mathematical characters
Macintosh Plus or larger; Textures 1.6 or later.
$99 retail
Blue Sky Research; 534 SW 3rd Ave.; Portland, OR 97204; 503-222-9571, 800-622-8398 or 503-222-1643 (fax)

Monotype CD-ROM, Version 4.0
PostScript and TrueType fonts
Macintosh Plus or larger; System 6.0.3 or later for PostScript format (System 6.0.7 or later for TrueType format); CD-ROM drive.
$49.99 retail; includes choice of eight Monotype fonts
Monotype Typography, Inc.; 150 S. Wacker Dr., Ste. 2630; Chicago, IL 60606; 312-855-1440, 800-666-6897 or 312-855-9475 (fax)

Monotype FunFonts I And II
25 fonts in PostScript or TrueType format
Macintosh Plus or larger; System 6.0.3 or later for PostScript format (System 6.0.7 or later for TrueType format).
$39.99 each retail
Monotype Typography, Inc.; 150 S. Wacker Dr., Ste. 2630; Chicago, IL 60606; 312-855-1440, 800-666-6897 or 312-855-9475 (fax)

The Monotype Typeface Library
Type 1 PostScript language typefaces
Macintosh 512K or larger.
$80 to $290 per typeface volume retail; volumes range from two to eight typefaces
Monotype Typography, Inc.; 150 S. Wacker Dr., Ste. 2630; Chicago, IL 60606; 312-855-1440, 800-666-6897 or 312-855-9475 (fax)

Monotype ValuePack I And II
Collection of 57 text, display and script fonts in TrueType or PostScript format
Macintosh Plus or larger; System 6.0.3 or later for PostScript format (System 6.0.7 or later for TrueType format).
$89 each retail
Monotype Typography, Inc.; 150 S. Wacker Dr., Ste. 2630; Chicago, IL 60606; 312-855-1440, 800-666-6897 or 312-855-9475 (fax)

Monster Fonts
Bit-mapped and laser fonts
Any Macintosh.
$49.95 each volume retail
Showker Graphic Arts & Design; 15 SouthGate Ct.; Harrisonburg, VA 22801; 703-433-8402

PenFont
Personal printed handwriting font
Macintosh Plus or larger; printer; System 6.0.5 or later.
$49.95 retail; PenFont
$99.95 retail; PenFont International
$19.95 retail; PenFont Signature
Signature Software, Inc.; 489 N. 8th St.; Hood River, OR 97031; 503-386-3221, 800-925-8840 or 503-386-3229 (fax)

PenPals
Printed handwriting font pack
Macintosh Plus or larger; printer; System 6.0.5 or later.
$29.95 retail
Signature Software, Inc.; 489 N. 8th St.; Hood River, OR 97031; 503-386-3221, 800-925-8840 or 503-386-3229 (fax)

Personal Font
Custom handwriting font
Macintosh Plus or larger; PostScript printer; System 6.0.5 or later.
$99.95 retail
Signature Software, Inc.; 489 N. 8th St.; Hood River, OR 97031; 503-386-3221, 800-925-8840 or 503-386-3229 (fax)

Personal Fonts
Conversion of a person's handwriting to a laser font
Macintosh Plus or larger.
$199 retail; for 80-character set
Lazy Dog Foundry, Inc.; 316 Bates Ave.; St. Paul, MN 55106; 612-291-0306, 800-876-9807 or 612-291-0481 (fax)

Photo-Lettering Display Typefaces
Type 1 PostScript and TrueType display typefaces
Any Macintosh.
$5 and up retail
FontBank, Inc.; 2620 Central St.; Evanston, IL 60201; 708-328-7370 or 708-328-7491 (fax)

PIXymbols
PostScript and TrueType-based special purpose pictorial symbol fonts
Macintosh with 1 MB of RAM; external disk drive or hard disk drive.
$45 to $185 each retail; in North America
$235 to $275 each retail; EPS PIXymbols (highway signs)
Page Studio Graphics; 3175 N. Price Rd., Ste. 1050; Chandler, AZ 85224; 602-839-2763 (fax/phone)

PrintBar 4.2
Bar-code font volumes
Any Macintosh.
$125 retail; dot matrix printer users
$225 retail; laser printer/imagesetter users
$45 retail; upgrade for registered PrintBar users
Bear Rock Technologies; 4140 Mother Lode Dr., Ste. 100; Shingle Springs, CA 95682; 916-672-0244, 800-232-7625 or 916-672-1103 (fax)

The Publisher's Font Warehouse
Hundreds of files and services
Any Macintosh.
$20.50 retail; per four 800K disks
Showker Graphic Arts & Design; 15 SouthGate Ct.; Harrisonburg, VA 22801; 703-433-8402

RussianH V2.0
Cyrillic PostScript font
Macintosh Plus or larger; System 6.0.2 or later; PostScript printer.
$99 retail
Bersearch Information Services; 26160 Edelweiss Cir.; Evergreen, CO 80439; 303-674-8875, 800-851-0289 or 303-674-1850 (fax)

School Font
Font to create "kid-friendly" documents
Macintosh Plus or larger.
$29 retail; site licenses available
Mountain Lake Software, Inc.; 298 4th Ave., #401; San Francisco, CA 94118; 415-752-6515, 800-669-6574 or 415-752-6506 (fax)

Scriti
Indian language PostScript typefaces
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.
$70 to $850 U.S. retail
Ivy Systems Limited; A-16, Aruna Asaf Ali Marg; New Delhi-110067, India; (11) 686-3306 or (11) 686-3291 (fax)

Signature Font
Custom font created from actual signatures
Any Macintosh.
$40 retail
SignaFont Designs; 1340 Dahlia St.; Denver, CO 80220; 303-355-9137 or 303-355-3202 (fax)

■ **SlavicSwiss Cyrillic Fonts**
Slavic language fonts
Macintosh Plus or larger; System 6.0.7 or later.
The SlavicSwis Cyrillic Fonts, similar to the common Helvetica typeface, contain all characters for English as well as modern Slavic languages that use the Cyrillic alphabet (Russian, Ukrainian, Byelorussian, Bulgarian, Serbo-Croation and Macedonian). Both standard and phonetic keyboard layouts for Russian and Ukrainian are included. These scalable fonts are available in TrueType and PostScript Type 1. To type Cyrillic characters, users go to the keyboard control panel and choose a keyboard; switch to the applications and choose the SlavicSwiss fonts; and press the Caps Lock key on the keyboard. Key Caps can be used to see where each Cyrillic character is on the keyboard.
$124 retail
Exceller Software Corp.; 2 Graham Rd. W; Ithaca, NY 14850; 607-257-5634 or 607-257-1665 (fax)

SuperScripts
Intelligent font pack
Macintosh Plus or larger; PostScript printer; System 6.0.5 or later.
$49.95 retail
Signature Software, Inc.; 489 N. 8th St.; Hood River, OR 97031; 503-386-3221, 800-925-8840 or 503-386-3229 (fax)

TFCrossword
Typeface package that easily automates the assembly of crossword puzzles using any word processing or layout program; available in PostScript Type 1 and TrueType formats
Any Macintosh.
$89.95 retail; also available online via CompuServe
A free 48-page catalog is available
Treacyfaces, Inc.; PO Box 26036; West Haven, CT 06516; 203-389-7037 or 203-389-7039 (fax)

TFSquiggle Typeface Package
"Squiggle" greeking-copy character
Any Macintosh.
$14.95 retail; also available online via CompuServe
A free 48-page catalog is available
Treacyfaces, Inc.; PO Box 26036; West Haven, CT 06516; 203-389-7037 or 203-389-7039 (fax)

■ **Thangam**
Tamil language typeface
Macintosh Plus or larger.
Thangam is a Tamil language typeface. It consists of three fonts: Light, Medium and Bold. Thangam is a PostScript Type 1 and TrueType typeface that works seamlessly with all Macintosh applications and all versions of System software. Thangam comes equipped with a phonetic text entry system that makes it extremely easy to use. It has been created with a very comprehensive character set so that the creation of any Tamil text does not pose any problem.
Call or write for pricing
Black & White Systems; 22, Jagriti Enclave; I.P. Extension-Part II; New Delhi—110 092, India; 11-220-1391, 11-241-6945 or 11-685-4001 (fax)

Treacyfaces Typeface Collection For The Macintosh
Typefaces; all exclusive type families; available in both PostScript Type 1 and TrueType formats
Any Macintosh.
$49 to 170 retail; also available online via CompuServe
A free 48-page catalog is available
Treacyfaces, Inc.; PO Box 26036; West Haven, CT 06516; 203-389-7037 or 203-389-7039 (fax)

Type Of The 20's & 30's
Type from the classic era of the twenties and thirties
Macintosh Plus or larger.
$99.99 per volume retail; 10 faces per volume
Lazy Dog Foundry, Inc.; 316 Bates Ave.; St. Paul, MN 55106; 612-291-0306, 800-876-9807 or 612-291-0481 (fax)

Typecase For Macintosh Volumes I, II, III and CD-ROM
PostScript Type 1 and TrueType fonts
Macintosh Plus or larger; 2 MB of RAM; System 6.0 or later (System 7 for TrueType); CD player optional.
$49.95 each retail
Swfte International, Ltd.; 722 Yorklyn Rd.; Hockessin, DE 19707; 302-234-1740, 800-237-9383 or 302-234-1760 (fax)

Typeface Library
PostScript fonts in Type 1 and Type 3 PostScript and TrueType formats
Macintosh Plus or larger.
As low as $15 per weight retail
Image Club Graphics; 729 24th Ave. SE; Calgary, Alberta, Canada T2G 1P5; 403-262-8008, 800-661-9410 (orders & free catalog) or 403-261-7013 (fax)

UPC Font
Prints PostScript UPC Version A bar codes
Any Macintosh; LaserWriter.
$75 retail
Free with purchase of UniScan-300 bar-code reader, LM-300 integrated laser scanner or CCD-300 integrated scanner
TPS Electronics; 2495 Old Middlefield Way; Mountain View, CA 94043; 415-988-0141, 800-526-5920 or 415-988-0289 (fax)

URW TypeWorks
3,000 PostScript Type 1 fonts and a kerning tool
Macintosh Plus or larger; CD-ROM drive.
$895 retail
$79 retail; TypeWorks Specimen Book
URW Software & Type GmbH.; 4 Manchester St.; Nashua, NH 03060; 603-882-7445, 800-229-8791 or 603-882-7210 (fax)

The Works
1,555 Type 1 or TrueType fonts
Macintosh Plus or larger; CD-ROM drive.
$549 retail
Southern Software, Inc.; PO Box 2745; Port Charlotte, FL 33949; 813-625-3607

World Class Fonts! Volumes 1-8
Bit-mapped typefaces
Any Macintosh (some of the larger fonts require Macintosh 512KE or larger).
$89.95 per volume retail; three 800K disks
Dubl-Click Software, Inc.; 20310 Empire Ave., Ste. A102; Bend, OR 97702; 503-317-0355 or 503-317-0430 (fax)

WriteType
Advanced custom handwriting font
Macintosh Plus or larger; PostScript printer; System 6.0.5 or later.
$299.95 retail
Signature Software, Inc.; 489 N. 8th St.; Hood River, OR 97031; 503-386-3221, 800-925-8840 or 503-386-3229 (fax)

Forms Software

Ad/Art/Plus Forms
Business forms and templates
Any Macintosh; MacDraw or compatible page-layout program (PICT format).
Ad/Art/Plus Forms is a collection of popular business and personal forms, templates and grids. It includes a variety of templates with multiple columns and grids for customized applications. Forms can be easily edited and customized to user-defined specifications using MacDraw, or placed in a user's favorite page-layout program.
$49.95 retail
Freemyers Design; 575 Nelson Ave.; Oroville, CA 95965; 916-533-9365

AutoForms-Business
Business forms
Macintosh Plus or larger; QuarkXPress 3.0.
AutoForms-Business is a library of nearly 40 forms used in business everyday. This includes calendars, invoices, proposals, purchase orders, quote forms and statements. All forms are professionally designed to present an attractive and useful solution to a user's forms needs. These forms are not protected or locked in any way, and can be customized with ease. AutoForms-Business is ideal for quick printers, desktop publishers and corporate users alike.
$99.95 retail
Double-D Graphics; 84 Breezy Heights; Marlboro, NY 12542; 914-236-7133 (phone/fax)

Correct Letters
Hundreds of business letters
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.
Correct Letters contains more than 250 letters for every business situation from the American Management Association, a training organization for executives and managers. Each letter can be opened and edited in any Macintosh word processing program. The letters cover a variety of subjects, from customer service to credit and collection, personnel to sales. It also contains an online Guide to Letter Writing, which gives users instant access to hundreds of format, structure, grammar, usage and other tips.
$29 retail
Writing Tools Group, Inc.; 201 Alameda del Prado; Novato, CA 94948; 415-382-8000, 800-523-3520 or 415-883-1629 (fax)

DataModeler
Produces on-screen forms to enter, edit and print data
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.
DataModeler provides users with a variety of options to produce on-screen forms to enter, edit and print data. Printed forms digitized from a scanner and forms created in any graphics program will be recognized and reflected on screen by DataModeler in a matter of seconds. Users may elect to create, size and position boxes in the interface as well. Featuring unique graphic forms capability, DataModeler supports various data types, such as text, number, date, time, phone, sequence, Boolean, list, document, sound, picture and QuickTime movies, in user-defined boxes. DataModeler shows on-screen calculations of computed fields. Convenient entry and display filters, along with full-color appearance attributes are provided. Options for lock after, mandatory and retain last entry are included. The form and the data, or just the data, can be printed at 300 dpi. DataModeler is System 7 compatible.
$39 retail
1stDESK Systems, Inc.; 55-57 Cape Rd.; Mendon, MA 01756; 800-522-2286 or 508-634-0882 (fax)

EGForm 1.0
Forms creation
Macintosh Plus or larger; 2 MB of RAM (4 MB if using color monitor); supports KanjiTalk 6.0.7 or later.
EGForm is a business form creator in Japanese. It contains invoices and other common forms as templates, which are customizable. Data may be linked in a minimum method in the same file. Company graphics, such as logos and illustrations, may be imported and attributes may be changed. Users can make master pages and create multiple variation pages. It also has a calculation feature to calculate bills and invoices. EGBridge is included.
$590 retail
CCIC; 605 Addison St., Ste. A; Berkeley, CA 94710; 510-548-2242 or 510-843-5173 (fax)

EZForms Contract Manager for Small Business
Electronic forms
Macintosh Plus or larger; PostScript laser printer; System 6.0.5 or later; hard disk drive recommended.
EZForms Contract Manager for Small Business includes the most common forms that small businesses must use when doing business with the U.S. Government. EZForms Contract Manager includes:

These Products Available Through Bottom Line Distribution
1-800-347-1923

DD250 (material inspection and receiving report), SF129 (solicitation mailing list application) and SF1422 (contract pricing proposal cover sheet). All forms are fully automatic and easy to use. Forms include online instructions, and completed forms can be saved, modified or printed.
$94.95 retail
EZForms Co.; 4711 Tee View Ct.; Santa Rosa, CA 95405; 707-544-7144 (phone/fax)

■ EZForms For Architect-Engineers
Electronic forms
Macintosh Plus or larger; PostScript laser printer; System 6.0.5 or later; hard disk drive recommended.

EZForms for Architect-Engineers includes the most common forms that architect engineering firms use when doing business with the U.S. Government. EZForms for Architect-Engineers includes: SF254 (Architect Engineer and Related Services Questionaire) and SF255 (Architect-Engineer Questionaire for Specific Projects). All forms are fully automatic and easy to use. Forms include online instructions and completed forms can be saved, modified or printed.
$169.95 retail
EZForms Co.; 4711 Tee View Ct.; Santa Rosa, CA 95405; 707-544-7144 (phone/fax)

EZForms For U.S. Government Contract Management
Electronic forms
Macintosh Plus or larger; PostScript laser printer; System 6.0.7 or later.

EZForms Company produces a host of electronic forms to ease the task of complying with U.S. Government Contract Management and Property Management requirements. All forms are fully electronic. Forms are easily completed on screen. The completed form can then be produced on a laser printer. Fully networkable forms systems are offered. Forms offered include: DD250, DD1149, DD1662, NASA Form 1018, SF1428, SF1429 and SF1411. Individual forms are sold separately. Service includes adding customized elements for individual users, if desired.
$199 retail
EZForms Co.; 4711 Tee View Ct.; Santa Rosa, CA 95405; 707-544-7144 (phone/fax)

Federal JobLink
Complete package of the latest SF 171 application, supportive forms and information for persons seeking federal government employment
Any Macintosh; MacDraw I, II or Pro.

Federal JobLink is a complete system for persons seeking employment in the federal government. It provides the most requested forms of federal agencies. The reference guide provides clear, understandable instructions for where to start and what to do in obtaining federal employment, how to produce a well-organized application using JobLink's page numbering scheme with modified pages and, most important, how to easily update a current application. There are 27 pages of forms, a listing of Federal Job Information Offices and online help on the forms disk. Each form appears on the screen. Users answer the questions, place a blank sheet of paper in the printer, select print and the form with answers is printed in one step.
$62.95 retail; specify MacDraw I, II or Pro
Multisoft Resources; PO Box 235; Washington Grove, MD 20880; 301-977-6972

FedForms
Air Force, Army, China Lake, Civilian Agencies, Commerce, DMA, H&HS, Joint Command Services, Justice, Navy, NASA and security forms
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0 or later; LaserWriter Plus or larger.

FedForms are complete forms packages. Each package includes a run-time system, accurate Encapsulated PostScript forms, specially-created small screen fonts to give better WYSIWYG appearance on the screen and agency seals in Mac EPS format for letterhead. Features include: meticulously drawn (not scanned) duplicates of the original form for faster printing, less storage and better looking forms; ability to store for editing and printing; automatic calculations; and ability to merge forms with data to or from other sources. Each package automates from 12 to 45 commonly used forms specific to that agency.
$500 retail; FedForms Joint Command Services
$400 each retail; FedForms Air Force, Army, Commerce, China Lake, DMA, H&HS, Justice, Navy, NASA, Treasury
$350 retail; FedForms Civilian Agencies, Medical and Security
FedSoft Corp.; 6531 Ryanlynn Dr.; FairFax Station, VA 22039; 703-978-0600

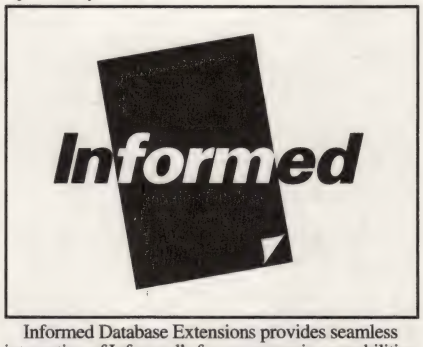
HomeWorks, BizWorks And TravelWorks
Template programs
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; Microsoft Works or ClarisWorks.

PCI's software template programs are ideal for new users as a means to become instantly productive with the Macintosh and with Microsoft Works or ClarisWorks. Users are also provided with a means to reduce the time spent on designing complex spreadsheets, time-consuming documents or complicated database files. HomeWorks includes more than 50 templates for home finances, home organization, real estate purchase, investments and financial analysis, recipe database and planning, legal forms, templates for students, clip art and more.

BizWorks includes templates for invoicing and accounting, cash flow analysis, business planning, department budgeting, employee forms, SBA documents and information, organizational charts, legal agreements and forms, non-disclosure forms, time management, project scheduling and other business related templates.

TravelWorks is a unique collection of templates for traveling executives that includes frequent flyer database and mileage tracking templates, international telephone codes, time zone maps and calculation, currency conversion, credit card tracking, advanced expense reporting, project scheduling, sales call reporting and many other useful items.
$59.95 each retail
Paradygn Concepts, Inc.; 10717 Camino Ruiz, Ste. 155; San Diego, CA 92126; 619-578-2327, 800-466-3957 or 619-578-3233 (fax)

Informed Database Extensions
Provides seamless integration of Informed's forms processing capabilities with external databases
Macintosh Plus or larger; appropriate database software; System 7.0 or later.



Informed Database Extensions provides seamless integration of Informed's forms processing capabilities with many leading database systems. By simply copying these extensions into the "Informed Extensions" folder, users can perform lookups into the database and submit completed forms to the database. Extensions are provided for DAL, TechGnosis' SequeLink, Sybase using OpenClient and Oracle using SQL*Net. Both DAL and SequeLink provide access to almost all major client/server databases. This package also includes 4th Dimension externals for linking forms to 4D databases.
$149 retail; five users
$10 per user retail; six or more users
Shana Corp.; 9650 20th Ave., Ste. 105; Edmonton, Alberta, Canada T6N 1G1; 403-463-3330 or 403-463-3343 (fax)

Informed Designer
Forms design
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; printer.

Informed Designer is used to create professional-looking forms using specialized drawing tools or importing scanned images of existing forms. Definable grids, guides and rulers with up to 1/1,152-inch accuracy assist specialized tools in creating tables, fields, check boxes, combs and rounded corners quickly and efficiently. Users can add intelligence to their forms with more than 160 functions to choose from, unlimited choice lists and lookups to other forms or applications. Forms professionals can design digital signature fields into their forms, ensuring users of the security of the data while permitting them to sign forms using a digital "key," either locally or remotely via modem.
$295 retail
Shana Corp.; 9650 20th Ave., Ste. 105; Edmonton, Alberta, Canada T6N 1G1; 403-463-3330 or 403-463-3343 (fax)

Informed Foundation
Forms processing applications
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.5 or later (System 7.0 required for some features).

Informed Foundation is a collection of forms processing applications that allows users to build a complete electronic forms system. Users use Informed Designer to draw the forms and add data intelligence; Informed Manager to fill them out and mail them to other users; Informed Revision Distributor to automate the distribution of form revisions; and Informed Number Server to automate the assignment of unique and sequential form numbers over the network as new forms are filled out. In addition, Informed Foundation includes translation software that allows users to Delrina PC-based forms software to work with Informed forms and vice versa. Informed Foundation also includes translators for SmartForms, TrueForm and FastForms, allowing users of these products to upgrade easily. AppleScript is included with Informed Foundation and will allow users to automate repetitive tasks. In addition, Informed Foundation can be controlled from other applications and forms can be integrated with data stored in scriptable applications. With Informed Foundation, users can build a complete electronic forms system that will save money and improve productivity through each stage of a form's life — design, distribution, fill out, routing, approval and submission into a database or accounting system.
$495 retail
Shana Corp.; 9650 20th Ave., Ste. 105; Edmonton, Alberta, Canada T6N 1G1; 403-463-3330 or 403-463-3343 (fax)

Informed Manager
Fills out and manages forms designed with Informed Designer
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; printer; System 6.0.5 or later.

Informed Manager enables users to fill in a form created with Informed Designer. It takes full advantage of the intelligence added to the form while being designed (e.g., error checking, choice lists, lookups and help messages). With Inter-Application Communication (IAC) capabilities, live lookup between other software packages can be achieved, increasing data entry accuracy and saving considerable time. Sorting, searching, editing or printing a form is a simple and quick process. Users can mail single or multiple forms across a networking using Microsoft Mail, QuickMail or the mail services of Apple's PowerTalk. Support for PowerTalk also provides full support for digital signatures, ensuring that a forms system developed with Informed can fill out, route, approve and submit forms entirely electronically.
$195 retail
Shana Corp.; 9650 20th Ave., Ste. 105; Edmonton, Alberta, Canada T6N 1G1; 403-463-3330 or 403-463-3343 (fax)

Informed Number Server
Automatically distributes unique, sequential numbers to electronic forms over a network
Macintosh Plus or larger; System 7.0 or later.

Informed Number Server is a server-type application that automates the assignment of unique and sequential form numbers over a network as new forms are filled out with Informed Manager. Most forms are identified by a unique form number (i.e., invoice or purchase order numbers). Rather than manually entering the next available form number each time a new form is filled out, this number can be obtained from a Number Server

over the network. This is especially useful when several users are filling out the same form.
$149 retail
Shana Corp.; 9650 20th Ave., Ste. 105; Edmonton, Alberta, Canada T6N 1G1; 403-463-3330 or 403-463-3343 (fax)

Informed Revision Distributor
Automated forms distribution and revision control
Macintosh Plus or larger; System 6.0.5 or later.

Informed Revision Distributor offers automated forms distribution and revision control. The notification of new form revisions occur automatically, and revision control can be reliably enforced with various options. As a result, form revisions are distributed more efficiently and the costs generated by users unintentionally filling out obsolete forms are reduced. Forms are classified as current, non-current and discontinued. The Forms Administrator can set how often the check for a new revision or a change in the forms status is performed. If the form is checked and found to be non-current or discontinued, users can automatically update to the new revision. In the case of a discontinued form, users can even be prevented from adding new forms into the discontinued version.
$149 retail
Shana Corp.; 9650 20th Ave., Ste. 105; Edmonton, Alberta, Canada T6N 1G1; 403-463-3330 or 403-463-3343 (fax)

Mac Movie Forms Version 3.0
Forms for film and video production; commercial production; videotape production and postproduction
Any Macintosh; MacPaint, FullPaint or SuperPaint.

Mac Movie Forms is designed to support pre-production, production and postproduction with such forms as call sheets, production reports, talent and location releases, casting information, story boards, expense reports, film and videotape logs and more. Mac Movie Forms Version 3.0 contains 28 of the most used and useful film and video production forms on one disk.

Mac Movie Forms — Commercials includes a complete package of 24 production forms for all areas of commercial production, including the standard A.I.C.P. and A.I.C.E. (Association of Independent Producers & Editors) commercial budgeting forms.

Mac Video Forms includes a complete package of 25 forms that are used for videotape production and post production.
$49.95 each retail
ABC Software; 2050 Stanley Hills Pl.; Los Angeles, CA 90046; 213-654-2239 or 213-656-3202 (fax)

MacForms
Business forms on disk
Macintosh 512K or larger; any program that reads MacPaint files.

MacForms is a collection of more than 100 different business forms on disk in MacPaint format. The forms can be filled out on a Macintosh, typed or completed by hand. They can be printed out as needed, as well as customized with logos. A variety of forms are included for: accounting and financial management, purchasing and materials management, personnel and time management and sales and project management.
$79.95 retail
Desktop Graphics; 7208 Francisco Dr.; Ft. Worth, TX 76133; 817-346-0556

OfficeWorks
Forms to run school or business activities
Macintosh Plus or larger; Microsoft Works.

OfficeWorks provides users with all the office forms necessary to run a class project as a small business, run school business activities, teach business classes or run a small business. Forms include: Accounts Payable Ledger, Accounts Payable Schedule, Accounts Receivable Ledger, Accounts Receivable Schedule, Balance Sheet, Bank Reconciliation, Budget Report, Calendar, Cash Receipts Journal, Check Register, Daily Reminder, Expanded Check Register, General Ledger, Income Statement, Inventory, Invoice, Payroll Register, Petty Cash Register, Purchase Order, Purchase Requisition, Statement of Account and Travel Report.
$49.95 retail
K-12 MicroMedia Publishing, Inc.; 6 Arrow Rd.; Ramsey, NJ 07446; 201-825-8888, 800-292-1997 or 201-825-0582 (fax)

Purchase Order And List
Purchase order and listing system
Macintosh Plus or larger; Microsoft Excel 2.2a or later.

Purchase Order and List is a Purchase Order form that automatically calculates all the input data and provides a macro for listing a user's purchase orders and automatically creates a new number for each form. A macro is included for listing the address and phone number of a user's vendors.
$49.95 retail
Freemyers Design; 575 Nelson Ave.; Oroville, CA 95965; 916-533-9365

Purup FormsExpert
Professional forms design program
Macintosh II family; 2 MB of RAM; hard disk drive.

FormsExpert is a program for the design and production of business forms and other documents where a high degree of accuracy and complete control of all graphic elements is required, from manuscript to color separations. It is a powerful production-oriented program, but still very easy to learn. The programmable toolbox and color palette, as well as support for digitizer input, allow even complex designs to be completed in minutes. The color separations produced by FormsExpert are of high quality. Tools are available for drawing all graphic elements needed in a business form. In addition to the functions contained in leading desktop publishing graphics design programs, the following features are included: all typographical units can be used independently on all coordinates and parameters; user-defined document formats; advanced, easy-to-use control of box corners and line orientation; full support of CMYK, Pantone and spot colors; automatic conversion between color models; graduated screens and patterns can be used in all objects, including text; full support for the Wacom digitizer tablets; and text can be edited directly on the screen in full WYSIWYG, including rotated and transformed text.
$4,000 retail
Purup Prepress A/S; Sonderskovvej 5; DK-8520 Lystrup; Denmark; +45-86-22-25-22 or +46-86-22-25-11 (fax)

SF 171-Works
Application for federal employment — SF 171
Macintosh Plus or larger; 1 MB of RAM; Microsoft Works 2.0 or later; System 6.0.7 or later.

SF 171-Works are templates for federal employment applications. They include all four pages of the original government application and custom pages for work experience and training. In addition, work experience blocks and a Name/SSN/Announcement Number/Date box for additional pages are also included. The SF 171-Works templates include a complete instruction booklet, along with a special section on writing job descriptions and KSAs. The templates are available for the ImageWriter II or laser printer/ink jet compatibles. They are compatible with System 7 and approved by the Office of Personnel Management government wide.
$55 retail
Keator Software; PO Box 113; Lamar Ranger Station; Yellowstone, WY 82190; 307-344-7739

TrueForm
Computerized completion of any form
Macintosh Plus or larger.

TrueForm is a forms processing package designed to automate users' existing forms. It allows users to transition from paper to computerized forms without any change to the forms they are familiar with. With TrueForm, users can import their electronic forms from popular drawing and page-layout programs. It accepts EPS, PICT and MacPaint files. TrueForm also allows users to take advantage of their existing paper forms by directly scanning them in and immediately filling them out. It reads prescanned forms saved in TIFF format and supports scanners with the Apple standard scanner interface. TrueForm also features powerful spreadsheet capabilities; includes a set of sophisticated data sharing features; and includes a 4th Dimension printing module.
$395 retail
Adobe Systems, Inc.; 1585 Charleston Rd.; PO Box 7900; Mountain View, CA 94039; 415-961-4400, 800-833-6687 or 415-961-3769 (fax)

Information Management

1stVue
Form completion and multiuser database
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.

1stVue II provides the tools required for users to set up applications via forms and files. 1stVue is a form completion and multiuser database that includes a unique graphic forms interface with multimedia capability. It is designed for use with 1stBase-II, a relational database and report generator. By using 1stVue II with optional DataModeler and 1stBBS-II, users can create a form with 1stVue II and send it to customers with 1stBBS-II. Customers then fill out the form with DataModeler and send it back with the files attached using 1stBBS-II. Clairvoyant Posting gives users the ability to simply open the form with 1stVue and customers' data is automatically added to the database. Customers view their orders with 1stBBS-II's database lookup feature. 1stVue II features patented Fuzzy Find over weighted fields and MacroAccess Command icon system automation. 1stVue II supports 12 different kinds of data filters, including documents, sounds, pictures and QuickTime movies. The 1stVue II database is automatically generated based on the form's attributes. 1stVue II's numerous display and entry filters provide users with an efficient way of entering and displaying all of their business information. It is System 7 compatible.
$179 retail
$49 retail; Run-time Client Version
1stDESK Systems, Inc.; 55-57 Cape Rd.; Mendon, MA 01756; 800-522-2286 or 508-634-0882 (fax)

Act! For Macintosh
Integrated contact database, calendar and activity manager, report generator and word processor
Macintosh Classic or larger; 2 MB of RAM (4 MB with System 7); 2.3 MB of free disk space; hard disk drive; System 6.0.4 or later.

Act! for Macintosh is designed to quickly and efficiently organize the day-to-day activity of business people by combining the planning and scheduling benefits of a paper-based planner with the activity follow-up and support of a personal executive assistant. Act! for Macintosh integrates a contact database, activity manager and calendar, full-featured word processor and custom report generator. Each contact record has a unique history record and notepad attached. The product's scheduling features include prioritization of calls, meetings and to-dos; the ability to schedule recurring and timeless activities; and graphical calendar printouts.
$249.95 retail
Symantec Corp.; 10201 Torre Ave.; Cupertino, CA 95014; 800-441-7234 or 800-626-8847 in CA

AddressTrak
Provides complete management of contacts and follow ups
Macintosh Plus or larger.

AddressTrak tracks detailed information about communications with a contact and schedules follow ups for each contact (when users need to contact them again). Each day, AddressTrak's Main Menu displays the number of follow ups that have been scheduled for

TeleMagic – Client/Sales Management Database
MaxSolutions ---------- (619) 431-7321

that day, as well as those that have not been dealt with. AddressTrak also allows users to view or print follow ups that have been scheduled for the current week, the following week or the month. AddressTrak maintains a history of all of a user's interactions with a particular contact, including the date the follow up was originally set, when it was completed and the notes on what was discussed. Users can also create a manual history note for a single or group of contacts; this allows users to document a mailing with a date-stamped message (e.g., 9/12/93: Sent mailing about our participation in the Fall show). AddressTrak incorporates a phone timer, which logs the duration of a phone call, as well as any notes on what was discussed. It prints form letters without the need of a word processor and stores most frequently used form letters in a separate file. It also prints mailing labels (1-up, 3-up or user defined), fax cover sheets, contact lists and contact lists summarized by company name. In addition, it prints in an address book format, which can be used with daily planners. It creates a referral analysis report that allows users to see where their leads have originated from, with the percentage attributed to each source. AddressTrak is network accessible, both Macintosh and Windows.
$149 retail; multiuser pricing available
Database Associates, Inc.; 612 Highland Ave.; Needham, MA 02194; 617-449-8387 or 617-449-8386 (fax)

Arrange 2.0
Personal information manager
Macintosh II or larger or Power Macintosh; 2.5 MB of RAM; 3 MB of free hard disk space; System 7 or later.

Arrange is a quick and flexible way to manage information. Arrange eliminates the need for users to buy and learn multiple products. Arrange manages it all: contacts, schedules, to-do lists, projects, files, notes and more. It is fully integrated, automatically updating information for users. Arrange's drag-and-drop interface can be used to change schedules, appointments, move and organize information instantly. Grabber technology lets users gather information from a variety of sources, including CD-ROMs, E-mail systems and online services. Automatic merge keeps a desktop Macintosh and PowerBook in perfect agreement. It includes intelligent import/export to automatically integrate and manage any type of new information in the correct format. File referencing lets users open up and use any files from a hard disk or server within Arrange. Integrated forms come with full Avery label support, Advanced Calendaring, Open Architecture for third-party development and much more.
$349 retail
Common Knowledge Inc.; 124 University Ave.; Palo Alto, CA 94301; 415-325-9900 or 415-325-9600 (fax)

Atelier Hello 2.0
Personal communication manager
Macintosh Plus or larger; 1 MB of RAM; System 7.0 or later.

For busy communicators, Atelier Hello offers all-in-one management of contacts and correspondence. Built around an intuitive and inviting push-button interface, Atelier Hello combines three basic communication building blocks: a phone directory, a word processor and an auto-dialer. Atelier Hello's most innovative aspect is its scalable architecture, which accepts plug-in modules that enhance the base program. Modules are simply dropped into a folder and appear in the user's tool palette the next time the program is used. Write lets users generate correspondence effortlessly using auto-address insertion, simple mail merge, spell checking, envelope and label printing. Call provides one-button speed dialing and last number redial.
$99 retail
Atelier Systems Inc.; 9191 Towne Centre Dr.; San Diego, CA 92122; 619-453-4300 or 619-453-6190 (fax)

■ Claris Organizer
Information manager
Macintosh Plus or larger; 2 MB of RAM (4 MB recommended); System 7.0 or later.

Claris Organizer is an all-in-one, intelligent personal information manager (PIM) that combines the functionality of a wide variety of PIM products into a full-featured solution. Claris Organizer seamlessly integrates a calendar, contacts, tasks and notes into one compact application. Claris Organizer incorporates intelligent assistance that automatically links users' contacts with appointments, tasks and notes, putting all this information literally at their fingertips. This intelligence also allows for flexible printing and seamless data importing. Claris Organizer delivers unparalleled power to the PIM software category with robust functionality in each of its environments. This power, coupled with ease of use, makes Claris Organizer an ultimate personal organizer. It is Power Macintosh compatible.
$99 retail
Claris Clear Choice; 5201 Patrick Henry Dr.; PO Box 58168; Santa Clara, CA 95052; 408-987-7000, 800-325-2747 or 415-513-0985 (fax)

ClarisWorks Home Organizer
Personal templates
Macintosh Plus or larger; ClarisWorks.

ClarisWorks Home Organizer contains 10 easy-to-use ClarisWorks templates that will help users plan their next vacation, design personalized address labels, balance their budget, track credit cards, keeps a record of birthdays and anniversaries, track insurance policies and home inventory, compare different loans and mortgages, maintain a personal balance sheet, keep track of investments and print medical authorization forms.
$19.95 retail
ClarisWorks Users Group; PO Box 701010; Plymouth, MI 48170; 313-454-1969 or 313-454-1965 (fax)

Command Center Plus For The Macintosh
Centralized client/server executive information system
Macintosh LC, II, Quadra or PowerBook; 4 MB of RAM; hard disk drive; System 7.0 or later.

Command Center Plus offers the most choices to users who want the speed, ease of use and graphics power of the Macintosh or personal computer and the power, data integrity and ease of maintenance of a mainframe. Command Center Plus is all inclusive and features a time-series database management system that is optimized to drive EIS applications. In addition, Command Center Plus includes an EIS specific fourth-generation language; host-workstation communications software; workstation processing software for such tasks as caching and graphics; and all the tools necessary to implement and modify an EIS. Command Center Plus uses a seamless architecture for host-to-workstation cooperative processing. The workload is distributed between the host and the workstation, making the best use of each computing platform. In this configuration, Command Center Plus uses the Macintosh or PC as the window into the EIS host data. On the host, Command Center Plus stores and manipulates information. When the host receives a request from the workstation, Command Center Plus retrieves the data, formats it and presents it as a series of colorful text, charts, graphs and tables.
$20,000 to $150,000 retail; depending on platform and configuration
$15,000 retail; Macintosh interface
Pilot Software, Inc.; One Canal Park; Cambridge, MA 02141; 617-374-9400, 800-944-0094 or 617-374-1110 (fax)

Consult!
Computerized office for professional consultants
Macintosh with 68040 processor or Power Macintosh; 5 to 8 MB of RAM; 50 to 10 MB hard disk drive.

Consult!, The Computerized Office for the Professional Consultant, is an all-in-one software application written exclusively for independent consultants. Consult! lets users establish business values and goals, track projects and sub-tasks, keep a calendar and to-do list and track contacts and notes. Users can analyze their performance in carrying out projects and get advice on how to handle future projects; analyze client work potential; and build client reference sheets based on services performed. Accounting features include default chart of accounts, double-entry accounting, recurring transactions, check writing, billing, accounts receivable and financial reports. Power Cross-Referencing allows users to see amazing data relationships between systems. The Reminder screen shows the status of all systems at any moment. Consult!'s Business Advisor will help users make important business decisions.
$49 retail; Shareware fee; available on America Online
GURU! Software; 3366 Mt. Diablo Blvd., Ste. 35; Lafayette, CA 94549; 510-283-1146

Contact Ease
Sales and marketing follow-up program
Macintosh Plus or larger; hard disk drive; System 6.0.2 or later.

Contact Ease automates contact follow up. It supports target marketing using direct mail and telemarketing, and also tracks personal activity items. By entering follow-up "plans," the program can automatically generate all the right letters and activity items at the right time with one mouse click. A built-in word processor lets users apply fonts, sizes and styles character by character. Graphics can be placed anywhere in a document. Envelopes are printed with U.S.P.S. Postnet bar codes. The unique CyberSwap feature lets users take data along on a portable computer, and then easily merge changes into the office data file. Contact Ease provides a contact list for quickly finding the right person. Other features include: dials the phone; logs calls; prints mailing labels; 20 user-defined custom fields; and text import and export.
$249 retail; single user
$495 retail; Lockserver (necessary for network capabilities)
$1,495 retail; five pack
WestWare, Inc.; 4903 Morena Blvd., Ste. 1212; San Diego, CA 92117; 800-869-0871, 619-274-5053 or 619-274-5055 (fax)

Control Center 3
Executive information system
Macintosh with 68030 processor or larger; 8 MB of RAM; System 6.0 or later (System 7.x recommended); dedicated server for network use.

Control Center 3 (CC3) is a real-time groupware project and document management system that provides true multilevel drill down — the ability to go from one piece of information to another through a series of dynamic links. Permissions established for users determines access to information and documents. Using the "project" as a metaphor for managing and tracking an activity or group of activities, a project initiator can assign a manager who may, in turn, assign "parts" of a project to various users. These users may, in turn, perform the work themselves or send it outside, with all appropriate paperwork generated in the process (e.g., purchase orders). All work is put on a schedule and the initiator and manager of a given project can easily oversee those schedules, find out where something is, was and is gong to and what's happened to it along the way. Documents are not only tracked — they're integrated into the activity. If part of a piece of work assigned to someone involves reviewing a spreadsheet or a page layout, a click takes a user into that document to do that work. The set up and capture of daily business and personal activity provides an accurate picture of a business while performing nearly all of its vital functions from client database to accounting.
Call for pricing; priced according to site configuration
Synergy Marketing Communications, Inc.; 11 Joseph Ct., Ste. 213; Syosset, NY 11791; 516-935-9151 (phone/fax)

C•A•T IV
Relational database for managing contacts, activities and time
Macintosh Plus or larger; hard disk drive.

C•A•T IV combines relational database technology, word processing, form processing and time management functions to help sales, marketing and management professionals maintain better control of their activities and become more productive. It sports a new interface, standard Macintosh menu bars, a built-in word processor, templates, new draw functions to enable forms design, increased database functionality and support for multiple users.
$495 retail
Chang Laboratories, Inc.; 10228 N. Stelling Rd.; Cupertino, CA 95014; 408-727-8096 or 408-252-3081 (fax)

Data Warehouse
Can combine text, PICTs, ASCII, moov, PICS, etc., into one self-contained application program
Macintosh Plus or larger; System 7.0 or later.

TeleMagic – Client/Sales Management Database
MaxSolutions ---------- (619) 431-7321

Data Warehouse can combine text, PICTs, ASCII, moov, PICS, etc., into one self-contained, stand-alone application program. It can take any amount of loose pages, any number of chapters, use any font or style for any character and create an "electronic notebook" for viewing or printing. It can hold, view, print and search in definable groupings, and utilizes Formulator, allowing users to enter information throughout without damaging the original. Tiered levels of security protection, automatic backup with all utilities and cross-application ability are some of the special features available in Data Warehouse. Each page can be personalized with name, copyright, etc.
Call for pricing
Entertainment Solutions, Inc.; 8700 Wonderland Park Ave.; Los Angeles, CA 90046; 213-656-5500 or 213-656-5589 (fax)

DataMerge V2.5
Utility for manipulating tabular data
Macintosh Plus or larger.

DataMerge is designed to help users increase their efficiency in working with tabular databases. It can be used by any individual who needs to assemble tabular data for graphing, presentation or analysis. DataMerge allows users to move tabular databases from one application to another and from platform to platform; to combine databases and selected columns or rows of multiple databases; and to quickly inspect the contents of large files without having to load entire files into computer memory. The utility allows merging up to nine text-format data files into a single file with as many as 99 columns. It can also be used to create new files by combining selected columns from multiple files, to reorder columns in a file and to name or rename column headers.
$99 retail
Seawell MicroSystems; 3808 39th Ave. SW; Seattle, WA 98116; 206-322-3123 or 206-522-0671 (fax)

DataPivot 1.5
Dynamic reporting tool
Macintosh Plus or larger; System 6.0.7 or later.

DataPivot is a report builder that gives user control over their data. Its dynamic data "frame" allows users to interchange rows and columns, define groups, totals and subtotals, and build reusable templates that reveal the structure and meaning of data. DataPivot supports System 7 IAC and accepts data from virtually any source, including spreadsheets, query tools and text documents. DataPivot transforms the drudgery of reworking, rethinking and reanalyzing data into a stimulating, dynamic, visual process. Data manipulation becomes visual data sculpting. The shape and texture of results are limited only by a user's imagination.
$299 retail
Brio Technology, Inc.; 444 Castro St., Ste. 700; Mountain View, CA 94041; 800-486-2746 or 415-961-4572 (fax)

Day-To-Day Contacts 3.5
Contact management database with DA that prints organizer pages, envelopes, labels and rotary cards
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.

Day-to-Day Contacts is an essential contacts management companion. With its data entry shortcuts, incredible speed, ease of use and printing, Day-to-Day Contacts will free users from contact management drudgery. Day-to-Day Contacts is a full-featured address management application that prints addresses to personal organizer pages, memos, envelopes, labels and rotary cards. Day-to-Day Contacts now includes Dynofind, allowing users to find information from within any application, copy and paste and dial the phone number blazingly fast without ever launching Day-to-Day Contacts. Day-to-Day Contacts helps users manage contacts with three level sorting, ultra-fast finding and easy data selection features. Ideal for PowerBook users, Day-to-Day Contacts' synchronize feature allows users to effortlessly keep home files and traveling files in perfect synchronization. Day-to-Day Contacts' memo feature helps users instantly write memos and address them from a single application.
$79.95 retail; Day-to-Day Contacts
$12.95 retail; DynoPaper (box of 50 sheets)
Portfolio Software, Inc.; 1 Millet St.; PO Box 1010; Richmond, VT 05477; 802-434-6400, 800-729-3966 or 802-434-7000 (fax)
FAX©NDEMAND 1-800-872-3293 **171**

Day-To-Day Notepad
Organize thoughts, improve writing and keep a to-do list
Macintosh Plus or larger; 2 MB of RAM recommended.

Day-to-Day Notepad is an outlining program that allows users to easily organize thoughts, plans, meetings, etc., in an easy-to-use notepad format. This program is perfect for anyone who takes notes, in the office or on the road. Day-to-Day Notepad links directly to Portfolio Software's Day-to-Day Contacts for easy logging of all conversations, meetings and phone calls with a particular contact. Day-to-Day Notepad gives users a simple and elegant way of organizing notes and graphics in a small and fast program. Day-to-Day Notepad allows users to expand and collapse topics, organize by dragging topics and sort topics easily to prioritize and organize. Day-to-Day Notepad is perfect for organizing large writing projects, creating everyday to-do lists and organizing projects. Notepad supports Publish and Subscribe and Apple Events, and is fully System 7 compatible.
$49.95 retail
Portfolio Software, Inc.; 1 Millet St.; PO Box 1010; Richmond, VT 05477; 802-434-6400, 800-729-3966 or 802-434-7000 (fax)

Dear Diary
Data-based note taker, general to-do list, appointment calendar and more
Macintosh Plus or larger; System 6.0.7 or later.

Dear Diary will keep track of phone conversations, track meeting notes, take notes during interviews, keep a daily journal and jot down thoughts. The software is based on daily entries so that users can go back to a particular date and see what happened, see what was said or see who called. If users only remember that someone named Ron called or that Ron called about golf, the advanced find feature will help locate that particular entry. It will not only give users a listing of the days that Ron's name appears, it will display surrounding text so that finding the entry they are looking for becomes easy. Time and day stamps are also included so that entries made on different days can be recognized while reading notes from a different day. The to-do list stays visible whether users are in Notes or Appointments. Descriptions of items in the to-do list can be as long or as short as needed. Upon completion of an item in the to-do list, users can either check it off or delete it entirely. Users can also jump from item to item without the need to scroll through an entire list. The to-do list can be printed separately for ease of use.
$69.95 retail
Purrfect Software; PO Box 27022; Tempe, AZ 85285; 602-967-0097 (phone/fax — call first)

Direct Phone
Residential white page directory
Macintosh with 6 MB of RAM; CD-ROM drive.

Direct Phone is the first residential white page directory on a single CD-ROM. The set includes a residential disc with 72 million listings and a business disc with 8 million listings. Users can search by name and limit searches by address or area code. Direct Phone offers the convenience of being able to quickly search the white page directories from every city in the United States. The product replaces the need to call operator-assisted directory assistance, currently a $2 billion a year business. There are no restrictions on the use of the data and the information can be output to disk, printed or, with a modem, a listing can be automatically dialed.
$149 retail
Pro CD, Inc.; 222 Rosewood Dr.; Danvers, MA 01923; 508-750-7008, 800-992-3766 or 508-750-0070 (fax)

DiskAuditor
Disk auditing system for license and assets management
Macintosh Plus or larger; System 6.0.3 or later; printer recommended.

DiskAuditor is a system tool designed to quickly and accurately perform audits on all online disk volumes. It searches and detects the presence of all software applications, INITs and CDEVs. DiskAuditor keeps a running inventory (audit trail) of the authorized software for each machine. It easily allows the addition of newly acquired software and writes a report showing what applications, INITs and CDEVs are on the disk. Reports are maintained on file for subsequent audits and export. The system allows the auditor to add applications, INITs and CDEVs to the system audit when new packages are purchased and added to the inventory. DiskAuditor is System 7 compatible.
$79 retail; 10 pack
$189 retail; 25 pack
$360 retail; 50 pack
Expert Systems, Inc.; 2616 Quebec Ave.; Melbourne, FL 32935; 407-242-0140 or 407-242-1754 (fax)

Documentum Enterprise Document Management
Business critical, enterprise-wide applications for compound document storage, retrieval, revision control, assembly and work flow
Unix or NT server; Macintosh, MS-Windows and Unix clients.

Documentum's comprehensive software system enables documents to be managed as part of an overall information system business model strategy. Documentum utilizes an architecture that preserves a user's investment in systems, information and training. The object-oriented architecture makes it easy to design and rapidly deploy a user's solutions. Packaged with implementation and integration services, the solutions are targeted at enterprise critical applications in the Fortune 1000 corporations and government agencies. Documentum's products consist of a suite of applications, a distributed docbase, client interface, client API and a tool kit. Documents can consist of revisable files produced by word processors, spreadsheets, graphics, images and multimedia files. The initial system implementation utilizes commercial RDBMS technology (Oracle and Sybase) on a Unix server and supports all popular desktop applications under Macintosh, Microsoft Windows and Unix.
Call for pricing
Documentum, Inc.; 4683 Chabot Dr., Ste. 102; Pleasanton, CA 94588; 510-463-6800 or 510-463-6850 (fax)

Essential
Full text information retrieval system
Macintosh Plus or larger.

Essential is a multiuser, full text information retrieval system for the Macintosh with wide area network connection via modem, X.25 and ISDN. It provides a fast and efficient way to manage and retrieve every bit of a user's day to day business information at a click of the mouse. Features include: retrieval of information based on context without any predetermined search format; Boolean, wildcard and proximity operations can all be used to precisely find the correct document; displays, prints and saves the information in its original format; and provides multiuser dial-up access to outside callers, as well as internally through the local network.
$5,000 U.S. starting price retail
XBR Communications Inc.; 5253 Décarie Blvd., Ste. 550; Montreal, Quebec, Canada H3W 3C3; 514-489-1001 or 514-489-4966 (fax)

■ **Expresso Calendar And Address Book**
Information organizer
Macintosh with 68020 processor or larger; 4 MB of RAM; hard disk drive.

Expresso is a calendar, address book and to-do list that really works. It's packed with powerful features, including alarms, recurring events, import/export, synchronization, banners and holidays. Users can choose between 20 stunning background looks integrated directly into the calendar and other tools. Expresso, with its FlashBack technology, is always accessible on the desktop, and it is just as quick and easy to use as pen and paper. Expresso's revolutionary click and type interface lets users directly type information without using complex dialog boxes or clumsy menus. Users can print out the calendar in all popular organizer sizes and addresses in lists, books, labels, envelopes or fax cover sheets.
$69.99 suggested retail
Berkeley Systems, Inc.; 2095 Rose St.; Berkeley, CA 94709; 510-540-5535, 800-877-5535 or 510-540-5115 (fax)

TELEMAGIC – CLIENT/SALES MANAGEMENT DATABASE
MAXSOLUTIONS ---------- (619) 431-7321

■ **FastPace Instant Contact**
Full-featured contact manager with multiuser capabilities
Macintosh Plus or larger; 4 MB of RAM; System 7.0 or larger.

FastPace Instant Contact is a fast full-featured contact manager with extensive multiuser networking capabilities. Its database engine allows users to experience the gains of a client-server architecture without the expense of a dedicated file server. FastPace Instant Contact can store more than 50,000 contact records with multiple addresses, phone numbers, E-mail addresses, 15 customizable fields and an unlimited number of user-definable tags or categories, and up to 16 pages of notes for each contact record. FastPace Instant Contact is available in a native Power Macintosh version.
$79.99 retail
Foresight Technology, Inc.; 4100 International Plaza, Ste. 538; Fort Worth, TX 76109; 817-731-4444, 800-701-9393 or 817-731-9304 (fax)

Field Assistant
Business contact management
Macintosh Plus or larger; 1 MB of RAM; hard disk drive recommended; System 7.0 or later.

Field Assistant is an ideal tool for professionals who need to manage their business relationships and activities. It is true business to business contact management for the Macintosh, integrating company, contact and activity management with correspondence and data communication in one powerful package. Field Assistant lets users gather information flexibly, manipulate information naturally and generate responses quickly. It has intelligent importing, pull-down entry lists, a floating icon bar and mini-monthly calendar to make data entry effortless. With Field Assistant, users can arrange all their important information on one screen. At the touch of a button, users can link any to-do, meeting or phone call with any contact or company for powerful searching and tracking. Users can retrieve any saved form letter or compose a new one with a built-in WYSIWYG word processor and one-touch mail merge with envelope and label printing.
$249 retail
FIT Software; 3255-1 Scott Blvd., #104; Santa Clara, CA 95054; 408-562-5990, 800-725-3734 or 408-562-5970 (fax)

Free Phone
Provides instant access to AT&T's 800 Directory
Macintosh with 6 MB of RAM; CD-ROM drive.

Free Phone provides instant access to AT&T's 800 Directory. The CD-ROM can search through 250,000 listings by entering a name, telephone number or business heading. There are more than 2,700 business headings to choose from. Free Phone is a great tool for anything from planning a trip to looking for a locksmith.
$49 retail
Pro CD, Inc.; 222 Rosewood Dr.; Danvers, MA 01923; 508-750-7008, 800-992-3766 or 508-750-0070 (fax)

■ **Full Contact**
Business contact management
Macintosh with 68020 CPU or larger or Power Macintosh; 1 MB of RAM (2 MB preferred); 2 MB of hard disk space.

Full Contact is a seamless, integrated program for contact management, activity scheduling and word processing. With Full Contact, users can store and track people and companies; maintain a calendar and stay on schedule with drag and drop scheduling and automatic reminders and alarms; quickly merge contact and company information into personalized letters, faxes and mailing labels; stay in touch with contacts with a phone dialer that supports calling cards, hotel dialing and automatic event logging; print detailed reports; and easily share data with others, whether a Full Contact user or not.
$169 retail
FIT Software; 3255-1 Scott Blvd., #104; Santa Clara, CA 95054; 408-562-5990, 800-725-3734 or 408-562-5970 (fax)

HyperCard 2.2
Personal tool kit for building custom software
Macintosh Plus or larger; 1 MB of RAM; 800K floppy disk drive; hard disk drive.

HyperCard gives users the power to use, customize and create new information using multiple information types, such as text, graphics, video, music, voice and animation. It includes HyperTalk, an easy-to-use, English-based scripting language that provides users with the ability to design and write their own software. The program is based on index cards, each containing information. The number of cards is limited only by the storage capacity of a user's disk. Users can browse, sort, make notes, type or draw on these cards in the same manner as paper index cards. Cards can be linked to other cards by adding "buttons." A user can activate a button and link a card or part of a card to another card or stack of cards. Buttons can also perform a variety of tasks, such as dialing the telephone, sorting a stack or finding a videodisc sequence. Version 2.2 integrates a key Apple technology, AppleScript, which enables users to automate repetitive tasks by launching, controlling and exchanging data with existing applications. HyperCard also includes the ColorTools for seamlessly adding color to stacks; WorldScript support for creating multilingual solutions and a new "save as" option that creates double-clickable applications that can be distributed without royalty fees. In addition, HyperCard bundles ADDmotion II from Motion Works International for easy creation and editing of animation.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Info-Mation 1.1
Integrated address book, daily planner and project planner
Macintosh Plus or larger; 2 MB of RAM (2.5 MB with System 7); hard disk drive; System 6.0.7 or later.

Info-Mation, a fully-integrated address book, daily planner and project planner, gives users unprecedented control and ease of use in handling, planning, prioritizing and scheduling contacts, phone calls, meetings, projects and tasks. The Address Book module is an ideal personal database manager that easily and flexibly handles contacts, leads, vendors, friends, family, etc., with unlimited user-defined categories, user-customizable fields, contact log, follow-up reminders and much more. The Daily Planner, with its unique "one-touch" scheduling and automatic conflict alert, is a system for real-time, real-life planning, scheduling and juggling of commitments, meetings, appointments, phone calls and tasks. Special features include: one-click scheduling or rescheduling; enter, change or display calls, meetings and tasks simultaneously on a single screen; automatic conflict alert; adjustable lead times for reminder alarms; unlimited phone numbers per person; unlimited categories of lists; powerful, easy-to-use Selection Manager for creating special lists; import and export managers; Project Planner module for defining, prioritizing and delegating tasks across the network; a smooth and easy recurring event scheduler; fast and easy month and week (five-day or seven-day) views; and more.
$99 retail; single user
$189 retail; three users
$329 retail; 10 users
Personal Info-Mation Management, Inc.; 21 Windsor Ave.; Berkeley, CA 94708; 510-559-4211 or 510-763-7434 (fax)

InfoDepot 2.0
Organizational tool for more than just information
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later (some features require System 7.0 or later).

InfoDepot is the newest version of Fair Witness. It is a powerful and innovative way to organize more than just information. Managers, sales people, project leaders and others responsible for organizing, reporting and evaluating information will find InfoDepot extremely robust, yet flexible enough to handle all types of information with its variety of views. If users make a change in one place, it's automatically updated in the outline, table, timechart, form, chalkboard and calendar. It's easy to collect text, dates, numbers, pictures, sound, even movies — and organize and rearrange them quickly. Users can build custom tables; perform date and math calculations; and see dates on a time chart or calendar. Users can save views of their documents to focus on specified information. InfoDepot has multiuser capabilities, so an entire project team can work with the same document at the same time. Other features include full search and sort capabilities, connections to other documents, complete AppleScript support and built-in connections to share information with other software.
$295 retail; single user
$1,050 retail; five pack
Chena Software, Inc.; 905 Harrison St.; Allentown, PA 18103; 215-770-1210, 800-245-4577 or 215-770-1043 (fax)

InTouch 2.1
Easy-to-use DA that organizes personal contact lists and provides users with many convenient ways to stay in touch
Macintosh Plus or larger; System 6.0.4 or later.

InTouch is an intuitive desk accessory that stores names, addresses, phone numbers and notes; prints envelopes, labels, fax cover sheets and phone books; and dials telephone numbers. It can be used at any time and provides users with instant access to their contacts. Features include: automatically copy and paste addresses from documents to InTouch and vice versa; quickly locate any text or record in the database using the convenient search and "Go To" features; add up to 14 pages of notes for each address in a scrollable notes field; automatically time and date stamp notes; print graphics on labels and envelopes; add bar codes and FIMs (Facing Identification Marks) to labels and envelopes; store multiple layout designs for printing envelopes or labels; zoom the notes field for a larger typing area; import utility to bring any information into InTouch; and export addresses from InTouch to a variety of formats. InTouch includes an integrated reminder program to track meetings and appointments and can be used in conjunction with DateView, Advanced Software's calendaring and to-do list management program.
$99.95 retail; single user
$249.95 retail; InTouch Network three-pack
$629 retail; InTouch Network 10-pack
Advanced Software, L.C.; PO Box 65670; West Des Moines, IA 50265; 515-225-9620 or 515-225-2422 (fax)

Introspective 2.0
Electronic journal
Macintosh Plus or larger; System 6.0.5 or later.

Introspective is an electronic journal that allows users to record their activities and thoughts, on a day-to-day basis. Users can also create special journal categories. It supports security encoding and decoding of entries.
$39.95 retail
Software Design; PO Box 65352; West Des Moines, IA 50265; 515-279-9650 (phone/fax)

InView
Information management
Macintosh Plus or larger; Panorama II or Panorama Direct.

InView is an integrated set of files for client data management, marketing, time and materials billing and collections. Originally designed for professional photographers, it is suitable for any service-oriented business. InView includes the complete InContact module, plus financial record keeping functions. It generates estimates, job confirmations, in-progress job reports and invoices. A click of the mouse converts estimates to jobs to invoices, etc. The program can provide on-screen or printed profitability reports and comparisons of an estimate to the actual job or invoice. Financial record keeping includes check writing for multiple checkbooks, Payables and a Receivables file that handles partial payments, issues statements and provides extensive financial reports and histories. The Equipment file calculates values, depreciation, warranty and repair dates and will print reports, including insurance lists with either replacement costs or actual values. All printed reports are fully customizable by a user.
$400 retail
$695 retail; with Panorama
$495 retail; with Panorama Direct
HindSight; PO Box 4242; Highlands Ranch, CO 80126; 303-791-3770 (phone/fax)

TELEMAGIC – CLIENT/SALES MANAGEMENT DATABASE
MAXSOLUTIONS ---------- (619) 431-7321

InView Contacts
Information management
Macintosh Plus or larger; Panorama II or Panorama Direct.

InView Contacts is a personal information manager designed for anyone whose business involves being in contact with other people. It has a heavy marketing orientation, including fully cross-referenced profiles on each individual. Tickler functions remind users when to send materials, make follow-up calls, etc. InView Contacts keeps individual histories of mailings, phone calls, sales calls and other contacts. A unique letter generator allows the creation and storage of up to 20 form letters for quick retrieval. Letters can be retrieved and modified or created on the fly, and then printed as letters or faxes to one or several individuals. The program dials the phone, times calls and provides various telephone reports that can be used for time and/or expense billing. The calendar and scheduling functions handle schedules for one or several people. The program prints airbills, mailing labels, rotary file cards and more. All printed reports are fully user customizable.
$200 retail
$495 retail; with Panorama
$295 retail; with Panorama Direct
HindSight; PO Box 4242; Highlands Ranch, CO 80126; 303-791-3770 (phone/fax)

Mac Personal Class V2.0
Personal information organizer
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; HyperCard.

Mac Personal Class is a personal information organizer that provides users with the ease of recording vital personal information. It can be custom tailored to fit any special personal needs. Categories covered include: family data, personal wills, assets and liabilities, insurance information, important documents, burial information, ownership certificates, benefits, real estates and investment data. Features include: auto installation of Mac Personal Class button on a user's home card; self-registration procedure to avoid duplicated data input; detailed online help screens; the ability to add additional cards and make modification of any fields if needed; printed documentation and "Read Me" files in both MacWrite and Microsoft Word; hierarchical structure design for menus and categories in the stack; and is not copy protected.
$59 retail
Quadmation, Inc.; 1120 Stewart Ct., Ste L; Sunnyvale, CA 94086; 408-733-5557 or 408-733-1938 (fax)

macControl II 3.4
Executive information system (EIS) and decision support system (DSS)
Macintosh IIci or larger, including PowerBook; 4 MB of RAM.

macControl is a MIS software package that is appropriate for executive information systems and decision support systems at all levels of management. At its foundation is an object-oriented, multidimensional database with an object-oriented interface. macControl provides an intelligent workstation environment with online host relational databases operations. It communicates with the host(s) in a read/write mode. Workstations are automatically updated for changes in the database structures and can be centrally administered. macControl automatically writes the SQL commands necessary to perform user requirements. It operates within multirelational database and multihost environments and writes necessary commands, such as joins, data summations, etc., automatically. The product platform provides report writing, extensive graphics, complete spreadsheet capability, local multidimensional database, functions and macros, multiple levels of security, publish and subscribe, program launching, etc. All of these facilities can be used interactively with the host. macControl can run in a stand-alone, network, run-time, limited-host and a full host version. Services provided include consulting, design, prototyping, implementation, turnkey implementation, maintenance, software updates, training and a hotline.
$55,000 retail; for 10 licenses
Breitschwerdt and Partners; Eichsfelder Strasse 1; 40595 Düsseldorf; Germany; +49 (211) 9709140, +49 (211) 9709120 (fax) or 412-777-5367, 412-777-4889 (fax) in U.S.

MacPhonebook 3.05
Creates a database of names, addresses and phone numbers
Macintosh Plus or larger; ImageWriter or LaserWriter.

MacPhonebook prints all popular formats, including DayRunner, DayTimer, FiloFax and Senior and Junior Organizer, as well as its own checkbook, pocketbook and little black book formats (print out on plain 8.5 by 11-inch paper). Organized by categories, names can be selectively printed. There can be 1,600 names per file, and each entry allows three numbers. Black vinyl covers are included. The program has a desk accessory, easy access, dials the phone (with modem) and is compatible with MacEnvelope. MacPhonebook is System 7 compatible.
$49.95 retail
Synex; 692 10th St.; Brooklyn, NY 11215; 718-499-6293, 800-447-9639 or 718-768-3997 (fax)

Manage!
Computerized office
Macintosh with 68040 processor or larger or Power Macintosh; 8 MB of RAM; 5 to 10 MB hard disk space.

Manage!, "Value-Added" Software for the Professional Manager, is a comprehensive program for corporate business managers. Manage! enables managers to track PIM needs, such as to-dos, contacts, expenses, projects and sub-tasks, as well as establish and track key goals and apply business values to every activity. The Values system is at the heart of Manage! By applying a value to a goal or activity, the act is energized and improved far beyond its original potential. In addition, Manage! has a series of expert system components for tracking staffers and their activities and needs. Included are: Performance Review; Personality Analysis; Training and Skill Needs; and Coaching Requirements. At any point, users will have a complete profile of staffer's activities, performance, personality and training and coaching needs. A Manager Advisor is also included.
$49 retail; Shareware fee; available on American Online; customization available.
GURU! Software; 3366 Mt. Diablo Blvd., Ste. 35; Lafayette, CA 94549; 510-283-1146

Now Contact 1.1
Full-featured contact management application
Macintosh Plus or larger; System 7.0 or later, native on PowerPC.

Now Contact is a complete contact manager that gives users instant access to names, numbers and addresses and integrates with Now Up-To-Date to create the ultimate personal organizer. Finding and sorting is significantly fast. Users choose from multiple customizable entry and list views to show as much or as little information as they need; edit and organize information directly in list view; and categorize and retrieve related contacts with a single command. Users can also create and print form letters, labels, envelopes, address books and more. Users just attach correspondence and related documents to each contact for instant retrieval and display, regardless of the application that originally created them. Plus, the QuickContact pull-down menu lists a user's most important contacts so that they're always available, even when Now Contact isn't running.
$99 retail; single
$149 retail; bundled with Now Up-To-Date
$449 retail; 5-Pack
$799 retail; 10-Pack
$3,799 retail; 50-pack
Now Software, Inc.; 921 SW Washington, Ste. 500; Portland, OR 97205; 503-274-2800, 800-237-3611 or 503-274-0670 (fax)

Paper Trail
Helps organize and cross reference paper documents
Macintosh Plus or larger.

This may be the electronic age, but paper isn't going away soon. Most people's inbox is always full and their drawers are crammed with tons of documents. Paper Trail helps users organize and cross reference all of this paper. Using key words, brief descriptions and file folder references, Paper Trail helps users find existing documents and organize new documents quickly. Users can set up "virtual folders" to make cross referencing easy. It even keeps track of what users send out and to whom they send it. In addition, users can set follow-up dates for documents so they'll never miss another important deadline again.
$69 retail
Mastermind Software; 153 Lowell St.; Redwood City, CA 94062; 415-366-4114

Power Team
Phone book, calendar/to-do, correspondence, checkbook, calculator, expense report, mailing list
Macintosh Plus or larger; 1 MB of RAM.

Power Team provides users with all the tools they need to keep organized in one simple, integrated package: phone book, calendar/appointments/to-do list, correspondence, checkbook, expense reports, calculator and mailing list. All of the tools work together seamlessly. Names and addresses are automatically typed into letters, the calendar automatically reminds users when bills are due and much more. The Power Team's visual interface and online help make it a snap to learn. Complete documentation includes a step-by-step tutorial and handbook with more than 300 illustrations. The Power Team helps make data entry easier, faster and more accurate. Natural Fields let users enter data in the format most convenient for them. The Power Team even automatically capitalizes for users. Clairvoyance completes entries for users after they have entered only a few characters. The Power Team prints labels, cards, individual and form letters, envelopes (including PostNet bar codes), calendars, checks and organizer notebooks. Users can even create their own printing templates with the built-in graphic editor. Smart Merge automatically synchronizes separate copies of users' Power Team files on different computers. The Power Team can sort more than 1,000 records per second, and finds information almost instantaneously. Efficient data storage reduces disk space requirements up to 75 percent. The Power Team allows data transfer to/from virtually all other organizer and database programs.
$149.95 retail
ProVue Development Corp.; 15180 Transistor Ln.; Huntington Beach, CA 92649; 714-892-8199 or 714-893-4899 (fax)

PowerPages
Contact management
Macintosh Classic or larger; 4 MB of RAM; 20 MB hard disk drive; System 7.0 or later.

PowerPages is versatile contact management software. It is ideal for workgroups who must share contact information, especially if they need to access that information from remote sites. Because of its client-server technology, PowerPages is a perfect companion to AppleTalk Remote Access. Remote users can dial up to PowerPages and access information at incredible speeds, even over 2400-baud modem connections. This eliminates data synchronization problems because everyone uses the same database. PowerPages satisfies the needs of workgroups. Every user has a password, so data is always secure. Access privileges can vary from user to user, so users control who gets to add, modify, delete, print, import and export records. Moreover, PowerPages invisibly logs all database activity, so users can audit any user's activity at any time.
$995 retail; server and five clients
Zuffoletto & Co.; 601 4th St., Ste. 223; San Francisco, CA 94107; 415-543-8900 or 415-543-8989 (fax)

QPID
Business database
Macintosh Plus or larger (68020 or larger CPU recommended); 2 MB of RAM; hard disk drive; printer.

QPID is a complete multiuser office management tool. Whether in-house, online or on the road, QPID allows users to access the latest information from all parts of an organization. It manages a user's business from the activities of account representatives to invoicing. Records on thousands of clients, products, services, appointments and projects are automatically related, always at a user's fingertips. QPID features include: client and contact database; time billing; messaging; resource, task and time management; prospect tracker; mailing labels; invoicing, costing and quoting; vendor, product and services database; daily diary and appointment; sales management; dockets; purchase orders; employee database; scheduler; intelligent import and export; reporting; real-time color

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MAXSOLUTIONS ---------- (619) 431-7321

graphics; custom forms and labels; picture and logo filing; intuitive and intelligent interface; and much more.
$695 retail
$2,459 retail; five pack
GT Omnicom Inc.; 250 Merton St., Ste. 402; Toronto, Ontario, Canada M4S 1B1; 416-486-8254 or 416-486-9481 (fax)

Rae Assist
Personal information assistant software
Macintosh Plus or larger; 2.5 MB of RAM; 5 MB of free hard disk space; System 6.0.7 or later; 640 by 400 pixel screen size.

Rae Assist is personal information assistant software for PowerBook and Macintosh computers. Rae Assist helps users easily manage their business and personal contacts, schedules, to dos, projects, notes and pictures in one convenient and highly integrated application. Users can freely link and categorize all their information to stay organized, and a Smart Assistant finds, links and creates information to save users' time. Rae Assist organizes information in a simple yet powerful electronic binder with interrelated sections for People, Companies, Planner, To Dos, Projects Items and Smart Index. Users can easily list and sort information in each section or across sections using the Smart Index. Mini-views and navigational features, such as Find and Recent, make it easy to locate information from any section.
$99 retail
Rae Technology, Inc.; 19672 Stevens Creek Blvd.; Cupertino, CA 95014; 408-725-2850 or 408-725-2855 (fax)

Ruth Witkin's Best ClarisWorks Templates
Personal templates
Macintosh Plus or larger; ClarisWorks.

Well-known template developer Ruth Witkin selected her 10 favorite templates for this special collection published by C•WUG. Templates on this disk will plan a user's retirement savings, maintain a mailing list, print labels, do checkbook accounting, maintain a budget, prepare expense reports, determine the true cost of a loan, track an investment portfolio, prepare effective applications for employment and create attractive printed menus. It includes complete documentation.
$29.95 retail
ClarisWorks Users Group; PO Box 701010; Plymouth, MI 48170; 313-454-1969 or 313-454-1965 (fax)

Select Phone
Telephone directory
Macintosh with 6 MB of RAM; CD-ROM drive.

Select Phone is a comprehensive, completely cross-referenced telephone directory on CD-ROM containing 72 million residential listings and 8 million business listings. The nation is broken down into four regional discs: East, South, Midwest and West. Each disc contains the residential and business listings for its region. The product's 32-bit retrieval software has been optimized to allow searches by name, SIC code or business heading, telephone number and address. Select Phone also sorts by: address to display the neighbors of a highlighted listing; telephone number to see if another listing shares the same telephone number; and name to detect other listings with the same name if the search was initiated by address, telephone number or type of business. There are no restrictions on the use of the data, and information can be output to disk, printed or, with a modem, a listing can be automatically dialed.
$299 retail
Pro CD, Inc.; 222 Rosewood Dr.; Danvers, MA 01923; 508-750-7008, 800-992-3766 or 508-750-0070 (fax)

■ **ShellSystems 4.0**
Small business and personal management
Macintosh with 68020 or larger processor; 8 MB of RAM; System 7.0 or later; hard disk drive.

ShellSystems is customizable, modular software solutions for small business and personal management. Each base shell is an intuitive system of list, selection and data entry windows driven from a main "Shell-Station" window by custom buttons with a pull-down menu, allowing easy interactivity.

ClientBase is the foundation database for information management. Users can customize an unlimited number of name categories; name info includes multiple addresses and phone numbers, up to 10 categories per name, tickler info and more; select names or companies by category; choose mail labels and directories by various selection criteria; and maintain a conversation log.

With HomeBase, users can customize personal income sources and household expenses; record bills, checks and deposits; log personal income and expenses; and maintain a personal bank balance, deposit history and check history. Users can also stay on track with BudgetBasics. Reminders, tasks, conversations, objectives, calendar and notes & ideas will help keep users organized and more productive.

OfficeBase gives users everything they need to know about their small business without complicated terms, leaving the accounting to the accountant. Users can customize income and expense accounts, enter items and prices and keep track of "money comin' in" and "money goin' out" (orders, receipts, receivables, deposits, POs, disbursements, payables and checks). Cash Flow Basics is a quick and easy way to see where a business stands. A purge facility deletes old information and numerous reports and forms can be generated.
$150 retail; ClientBase
$225 retail; HomeBase (includes ClientBase)
$275 retail; OfficeBase (includes ClientBase)
Shell Systems Ltd.; 471 Buckhurst Dr.; Kernersville, NC 27284; 910-996-8485 or 910-996-8611 (fax)

Simplifiler
Executive information management and contact follow-up system
Macintosh Plus or larger; 1 MB of RAM (2.5 MB recommended); hard disk drive.

Simplifiler is an integrated relational database application that stores, retrieves, organizes and schedules comprehensive information about contacts, people, companies, organizations and products useful to a user's business, professional, community and personal affairs. Simplifiler notifies users to follow-up tasks and contacts. It automatically carries out user-designated sequences of mailings; prints contact reports, appointment lists, labels and name tags; can print records in 3 by 5-inch card format; searches/sorts 260 fields; prints/exports letters and memos; integrated mail merge; alerts users to regular meetings; creates directories/phone lists; imports/exports records; and stores alpha, numeric, date, text and picture data. Simplifiler handles thousands of records and works with multiple users, making it an excellent customer, prospect and/or vendor database. Organizations can manage and maintain member, committee, sponsor, activity, fund raising and vendor information.
$495 retail
$25 retail; demo
Zicon Software Corp.; 16580 Maple Cir.; Lake Oswego, OR 97034; 503-635-9622

SkillFinder
Personnel experience information system
Macintosh Classic II or larger; 2 MB of RAM.

SkillFinder is a quick and user-friendly database program to catalog skills and experiences of employees, consultants, job applicants or clients. It reduces overhead costs by providing fast and efficient proposal development, work assignment and applicant retrieval. It supplements resume and key word search systems by providing greater search flexibility on more precise information. Features include: multiple criteria in same search, with every data field in all records available for search; mark matching records; view or print reports of single or multiple sequential searches, showing all search criteria and the relevant matching record information; save results of any search for later retrieval; user-friendly operations in either single or multiuser mode; lets users set up their particular database structure to satisfy their skills inventory and tracking needs; produce summary, statistical and company demographic reports; complete record and record update form; and five security levels. No programming is necessary to use all the capabilities.
$2,495 retail; single user
$4,900 retail; two to five users
$7,350 retail; six to 10 users
$9,800 retail; 11 to 20 users
$12,250 retail; more than 20 users
Adjuvare, Inc.; 1439 Great Neck Rd., Ste. 202L; Virginia Beach, VA 23454; 804-481-1975 or 804-481-1126 (fax)

Snow Report Writer For Macintosh, Standard Edition
Allows users to gather data from multiple sources in a variety of formats and generate documents
Macintosh Plus or larger.

The Snow Report Writer can be used to easily gather data from multiple sources in a variety of formats and generate simple to sophisticated documents in minutes. Users lay out their report as they would any word processing document; bring in data fields using simple menus and dialogs; and directly manipulate the data (calculations, conditionals, sorting, selections, etc.) as they lay out the report without modifying the data in any way. It is ideal for presentation-quality reports. The Snow Report Writer can also be used to transfer data from one format to another or as a front end for database queries. Also available for DOS and Unix, the Snow Report Writer is especially useful for any manager in a corporate environment and indispensable for simplifying work in Information Systems groups.
$695 retail
Snow Development Group; 2360 Congress Ave.; Clearwater, FL 34623; 813-784-1845 or 813-787-1904 (fax)

SuperOffice 2.5c
Business information and contact management
Macintosh Plus or larger; 2 MB of RAM; System 6.0.7 or later.

SuperOffice is business information and contact management software. It is ideal for business people and professionals who need to track many commitments, outside contacts and opportunities. This highly-integrated single or multiuser system combines client contact directory, daily schedule planner, follow-up tracking and correspondence templates into one attractive, easy-to-use program. A shared database in the networked version streamlines communication by giving all users access to the same up-to-the-minute client information. Management reports included with the system track performance of programs and individual staff members — down to the account level, if needed.
$199 retail; single user
$995 retail; five users
$1,990 retail; 10 users
SuperOffice Corp.; 130 Great Rd.; Bedford, MA 01730; 617-275-2140, 800-328-6868 or 617-275-6921 (fax)

Survey Maker
Scores survey-type questionnaires and election ballots
Macintosh Plus or larger.

Survey Maker is a free-standing application designed to interface a Macintosh computer with an Optical Mark Cardreader for the purpose of scoring survey-type questionnaires and election ballots. It can read information from regular or specially designed data cards that can be marked in the common A, B, C, D, E and "No Response" format. The program allows users to open a file and type in a survey questionnaire, along with the desired responses. An ideal response for each item can be marked, if applicable. The program summarizes the responses and prints a histogram of the results. An ASCII or text file of the results may be written to disk and subsequently used in a spreadsheet or word processor. MacSurvey is compatible with the Discus Data Systems model CR510 and the Chatsworth model OMR 1000 and OMR 200 optical cardreaders. These cardreaders use a standard 3.5-inch wide data card marked with a pencil.
$99 U.S. retail
Edupro Software Ltd.; 31 Fairview Blvd., #108; St. Albert, Alberta, Canada T8N 3M5; 403-458-0303 or 403-460-9252 (fax)

TeleMagic V12
Client/sales management database
Macintosh Plus or larger; hard disk drive.
TeleMagic is designed for sales professionals, telemarketers, entrepreneurs, secretaries, brokers or anyone who deals with a large number of contacts.

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The program adapts to a user's methods and contains user-modifiable fields to streamline every sales activity. At the touch of a button, users are able to make calls, place orders, plan meetings, write follow-ups, produce reports and more.
$495 retail
$995 retail; three-user limited network
$2,495 retail; LAN version (unlimited users)
MaxSolutions; 6431 Cayenne Ln.; Carlsbad, CA 92009; 619-431-7321 or 619-431-8810 (fax)
FAX ON DEMAND 1-800-872-3293 **132**
AUDIOTEX 1-800-305-4556 **132**

theDirectory V1.0
Vendor reference
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later; HyperCard Player.

theDirectory is a full-featured Personal Information Manager using vendor cross referencing and portability as a core to its design. A Yellow Pages of services is automatically created as entries are made in the White Pages. A click on any service or product name on the Yellow Page brings up a list of everyone that can provide that service/product. Portability is enhanced with an Update Directory feature that compares any two copies of theDirectory prior to automatically updating a designated master. Standard features include: large scrolling Notes field on each card; mark cards for selective browsing; selective field search; frequent entry library; automatic dialing of standard, international and credit card calls; print envelope(s) with user-defined return address options; phone and modifications log; duplicate entry monitor; animated online help.
$35 retail
Vitale Software Group; PO Box 1023; Pt. Reyes Station, CA 94956; 415-257-4161 or 415-663-9410 (fax)

TouchBase Pro 4.0
Address book organizer
Macintosh Plus or larger; System 6.0.7 or later (System 7 required for integration and Drag and Drop)..

TouchBase Pro is the complete address book solution for the home, the office or the road. TouchBase Pro stores names, addresses, phone numbers and personalized information. TouchBase Pro even dials the users phone automatically. Print envelopes, mailing labels, address books, rotary index cards, fax cover sheets and personalized letters with the built-in letter writer. Users can view and dial select names and numbers for the menu bar anytime without launching the application. TouchBase Pro can sort contacts by name or company in the same list for easy reference. Find contacts with one click using the alphabet tab bar or use one of the extensive search option. Users can simply Drag and Drop contacts from TouchBase to their calendar with DateBook, Aldus' calendar solution, so that names, addresses and phone numbers are attached to their events and To-Dos. TouchBase Pro keeps users organized and in contact with the important people on their life.
$89.99 retail
Aldus Corp. Consumer Division; 5120 Shoreham Pl.; San Diego, CA 92122; 800-888-6293 or 619-558-8723 (fax)

Integrated Software

All-IN-1 DESKtop For Macintosh
Integrates with the services provided by Digital's All-IN-1 IOS product
Macintosh Plus or larger; 1.5 MB of RAM; System 6.0 or later.

All-IN-1 DESKtop for Macintosh is a software package that integrates with the services provided by Digital's All-IN-1 IOS product. It offers mail, file and application integration between the dissimilar Macintosh and All-IN-1 environments. By combining the main components of the desktop, such as communications, scripting language and built-in desktop applications, it is possible to extend the functionality of the Macintosh via the centralized user interface. Such extensions provide VT320 terminal emulation, access to commonly used third-party products, message-based applications (MBAS), document conversion and directory management. Customization options are available to provide additional features to users. All-IN-1 DESKtop for Macintosh addresses the needs of two different styles of computing: the Macintosh user who requires access to the services of All-IN-1 IOS, its business applications and the enterprise-wide mail network; and the All-IN-1 IOS user who wishes to integrate Macintosh computers into an already established All-IN-1 IOS environment, and easily take advantage of Macintosh applications.
$69 retail
Digital Equipment Corp.; 146 Main St.; Maynard, MA 01754; 508-493-7161, 800-344-4825 or 508-493-8780 (fax)

Brainchild Shortlist
Integrated Personal Information Manager and contact management system
Macintosh Plus or larger; System 6.0.7 or later.

Brainchild Shortlist encompasses the functionality of calendaring programs, Personal Information Managers, contact management databases, project managers and other productivity tools into a single, powerful package. It provides prospect and event tracking, time management, mail-merging, label printing, phone dialing, time billing, project management and Tactical Marketing support. It is ideal for sales automation and the Macintosh PowerBook. Running Brainchild Shortlist on a PowerBook lets users take their office with them wherever they go. Brainchild Shortlist is System 7 compatible and provides extensive Balloon Help. A Windows version is also available.
$79 retail
Brainchild Corp.; 547 Pepper Ridge Rd.; Cincinnati, OH 45244; 513-831-8451 or 513-831-7804 (fax)

ClarisWorks 2.1
Integrated software
Macintosh Plus or larger including Power Macintosh; 1 MB of RAM; 800K disk drive or hard disk drive (recommended); System 6.0.5 or later.

ClarisWorks is integrated software that provides users with word processing, graphics, spreadsheets, charting, database management and communications environments. The environments are interactive, providing a seamless integration of tools, so functions can be activated from a single page. ClarisWorks users will also enjoy unique growth-path advantages, because the user interface and environment are so consistent with those of other Claris products. Key features include: WYSIWYG display allows users to view and edit documents without switching modes; global functions, such as split screens and find/replace, are available within all environments; online context-sensitive help system; includes more than 20 XTND translators that allow users to open, insert, save and edit files from a wide range of applications across multiple platforms; mail merge capabilities allow users to generate form letters, lists, reports and direct mail; customizable zoom from 3 to 3,200 percent; online spell checker and 660,000 synonym thesaurus; locate and change text with Find & Change command; arrange and view documents in multiple ways, including new view, tile windows and stack windows; use macros to automate repetitive tasks; page headers and footers allow users to customize pages with titles and other information; and more. ClarisWorks is native for Power Macintosh.
$299 retail
Claris Corp.; 5201 Patrick Henry Dr.; PO Box 58168; Santa Clara, CA 95052; 408-727-8227 (customer relations), 800-735-7393 U.S upgrades) or 800-334-3535 (U.S. dealers)

ClienTrac
Contact manager for business
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.

ClienTrac helps users keep in contact with their clients by phone, mail, fax and memo. Auto dial, auto contact log, integrated address book, calendar and to-do lists are features of ClienTrac. Users can print letters with a click of the mouse. It prints labels, envelopes, mail merges and does bulk mail with ease. ClienTrac sorts by category, carrier route and Zip code; has sales automation and "Docu-Link"; unlimited custom categories for each group search; and great color screens. The Call Back Manager has "alert" and list of call-backs for easy viewing or printing. Other features include import/exports; auto capitalizes and formats phone numbers, links people and prints phone book in popular formats.
$135 retail
Whiskey Hill Software; PO Box 620466; Woodside, CA 94062; 415-851-8702, 800-660-8048 (in CA only) or 415-851-8041 (fax)

Colleague Business Software 3.4
Business management software
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; printer.

Colleague Business Software (CBS) is business management software that incorporates such all encompassing business functions as appointment calendar; client/prospect files; invoicing; job tracking; checkbooks; general ledger; sales, expense, and accounts receivable reports; and direct mail management into a single unique interactive application. CBS's fast, single-entry method allows information to be shared throughout the system. File management is organized around the "Client Information" window, which displays information ranging from account balance to personal data. The "Jobs" window features unique automated pricing and job tracking functions, as well as the ability to compile bids, purchase orders and invoices, all from a single input screen. CBS's "Daily Calendar" manages a user's daily activities. The "Checks" menu imports vendor information from the "Clients" file. CBS can handle an unlimited number of checking accounts. 4th Dimension Runtime is included with the package.
$649 retail
$195 each retail; multiuser kit
$10 retail; TourGuide demo
Colleague Business Software, Inc.; 11606 D K Ranch Rd.; Austin, TX 78759; 512-476-9855, 800-235-9748 (sales/information by DGR Technologies) or 512-476-9551 (fax)

Excellent Exchange
Excel template clearinghouse
Macintosh 512K or larger; Microsoft Excel.

Excellent Exchange is a software clearinghouse that provides a marketplace for Microsoft Excel users in search of specific programs. It also serves as a marketing outlet for authors of Excel-compatible programs. Hundreds of programs in business and scientific fields are available through the service, and new listings are continually being added. For most programs listed, there is an inexpensive ($2) demo version that provides potential users with a try-before-you-buy option, and Excellent Exchange's software authors are often available to provide customized programs that fit specific user requirements.
$4 retail; catalog and sample disk
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

GreatWorks 2.0
Integrated software
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.2 or later.

GreatWorks is an integrated program that includes eight full-featured application modules: word processor, database, spreadsheet, chart, draw, paint, outline and communications. It combines a breadth of functionality, a high level of integration among application modules, a consistent user interface and extensive online help. Menu commands, tools and other common features look and work the same throughout the program. Features such as multiple column documents in the word processor, a powerful forms generator in database and more than 60 combination chart types in chart provide full functionality for new or seasoned users. Each module is supported by common technologies that speed learning and simplify usage. Once a feature is learned, it is used the same way in every other module. Common technologies include standard text and graphics engines, a 100,000-word spell checker with custom dictionaries, a 660,000-synonym thesaurus, five units of measurement and

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Claris XTND file translators. GreatWorks is System 7 savvy.
$299 retail
Symantec Corp.; 10201 Torre Ave.; Cupertino, CA 95014; 800-441-7234 or 800-626-8847 in CA

The Microsoft Office 4.2
Essential business-productivity applications
Macintosh Plus or larger; 2 MB of RAM (4 MB recommended for MultiFinder and System 7); hard disk drive; System 6.0.2 or later.

The Microsoft Office is a collection of lending, full-featured programs that work together like one. With new technologies like IntelliSense and OfficeLinks and support for key Apple technologies, Microsoft Office Standard represents a whole new way to work for Macintosh and Power Macintosh users. Microsoft Office Standard includes Microsoft Word 6.0, Excel 5.0 and PowerPoint 4.0 and a Microsoft Mail workstation license.
$750 retail; disk or CD-ROM version
Microsoft Corp.; One Microsoft Way; Redmond, WA 98052-6399; 206-882-8080

Microsoft Works 4.0
Integrated package that includes word processor with spelling checker and mail merge, database with reporting, spreadsheet with quick charting, drawing with page layout and communications
Macintosh Plus or larger; System 6.0.5 or later; HyperCard 2.0 or later (for tutorial); modem (for communications).

Microsoft Works 4.0 is an integrated software package that includes a word processor, drawing and painting tools, database and reporting, spreadsheet and business graphics and electronic communications functions. It includes an addressbook, a calendar, interactive guides called wizards and slide show presentation features. Microsoft Works has all the tools users need for easier, everyday computing.
$249 retail
Microsoft Corp.; One Microsoft Way; Redmond, WA 98052-6399; 206-882-8080

Novell Symmetry 4.1 For Macintosh
Electronic mail, calendar, scheduler
Macintosh Plus or larger; 1 MB of RAM (2 MB and hard disk drive for server); AppleShare.

Novell Symmetry combines the power of electronic mail, personal calendaring and group scheduling into a single application — one executable. Under a powerful desktop, all messages, including E-mail messages, personal and group appointments, scheduled tasks and notes, can be accessed and viewed in one customizable interface. Novell Symmetry also includes rules-based message management, workflow automation, ordered distribution, task management and global calendaring functionality. Novel Symmetry introduces a fully distributed directory service database. The directory service provides a common database representation that does away with the limitation of differing platform file formats. This new design, combined with an intuitive administration front end, greatly simplifies the set-up, configuration and maintenance of the Novell Symmetry system. Central, distributed and remote system administration options bring greater flexibility and ease of use to administrators.
$245 retail; tradeup/upgrade pack
$695 retail; five pack
WordPerfect, The Novell Applications Group; 1555 N. Technology Way; Orem, UT 84057; 801-225-5000, 800-451-5151 or 801-228-5377 (fax)

RagTime 3
Integrates word processing, spreadsheet, business graphics and desktop publishing capabilities
Macintosh Plus or larger; 2 MB of RAM recommended; hard disk drive.

RagTime 3 dynamically integrates the most common office tasks in one software package. It combines a powerful word processor, extensive spreadsheet, document layout tools, picture frames and a wide array of graphs, all on any page of a document. Most of RagTime's frames can be hot-linked to each other. Any changes that users make in one frame will automatically be reflected in the others. Frames can float with the text, and text can be made to wrap around any frame type. Any frame type can be rotated, made visible or transparent. Beyond its own internal integration, RagTime also accommodates a variety of external modules, such as database links, connections to measurement equipment, scanning facilities and drivers for various output devices. By automating office forms in RagTime, users can produce just the documents they need, from standard letters to intricate brochures. Quality and uniformity are assured.
$599 retail
MacVONK Canada Inc.; 940 6th Ave. SW, #1100; Calgary, Alberta, Canada T2P 3T1; 403-232-6545, 403-232-6425 (fax) or (49) 9134-7447 (in Europe)

WordPerfect Works 1.2 For Macintosh
Word processor, database, draw, paint, communications and spreadsheet
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.5 or later.

WordPerfect Works for Macintosh is an integrated program that features the following six modules: word processor, database, draw, paint, communications and spreadsheet with charting. It includes In-Context Editing, which lets users make changes to linked data from any module without leaving the module they are working in. Irregular text wrap flows text around the contour of a graphic in the word processor. The common toolbar is shared between all modules with module-specific tools for additional ease of use.
$249 retail
WordPerfect, The Novell Applications Group; 1555 N. Technology Way; Orem, UT 84057; 801-225-5000, 800-451-5151 or 801-228-5377 (fax)

Macro Generators

QuicKeys 3.0
Keyboard enhancer
Macintosh Plus or larger; hard disk drive; System 7.0 or later.
$139 retail
CE Software, Inc.; PO Box 65580; West Des Moines, IA 50265; 515-221-1801 or 515-221-1806 (fax)

Tempo II Plus
Macro utility
Macintosh Plus or larger.
$179.95 retail
Affinity Microsystems, Ltd.; 1900 Folsom St., Ste. 205; Boulder, CO 80302; 303-442-4840, 800-367-6771 or 303-442-4999 (fax)

TempoEZ
Macro utility
Macintosh Plus or larger; System 6.0.7 or later.
$79.95 retail
Affinity Microsystems, Ltd.; 1900 Folsom St., Ste. 205; Boulder, CO 80302; 303-442-4840, 800-367-6771 or 303-442-4999 (fax)

Mail Management

1stVue
Form completion and multiuser database
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.

1stVue II provides the tools required for users to set up applications via forms and files. 1stVue is a form completion and multiuser database that includes a unique graphic forms interface with multimedia capability. It is designed for use with 1stBase-II, a relational database and report generator. By using 1stVue II with optional DataModeler and 1stBBS-II, users can create a form with 1stVue II and send it to customers with 1stBBS-II. Customers then fill out the form with DataModeler and send it back with the files attached using 1stBBS-II. Clairvoyant Posting gives users the ability to simply open the form with 1stVue and customers' data is automatically added to the database. Customers view their orders with 1stBBS-II's database lookup feature. 1stVue II features patented Fuzzy Find over weighted fields and MacroAccess Command icon system automation. 1stVue II supports 12 different kinds of data filters, including documents, sounds, pictures and QuickTime movies. The 1stVue II database is automatically generated based on the form's attributes. 1stVue II's numerous display and entry filters provide users with an efficient way of entering and displaying all of their business information. It is System 7 compatible.
$179 retail
$49 retail; Run-time Client Version
1stDESK Systems, Inc.; 55-57 Cape Rd.; Mendon, MA 01756; 800-522-2286 or 508-634-0882 (fax)

AccuZip6
Comprehensive database manager and bar-coding software
Macintosh SE/30 or larger; 4 MB of RAM; hard disk drive; System 6.0.5 or later; CD-ROM drive.

AccuZip6 is a customizable database manager for individuals, businesses and entrepreneurs. Its powerful management features include a custom report and label generator, high-speed indexed searches, nth selecting and duplicate detection. AccuZip6's integrated word processor can merge to custom letters and envelopes or to existing documents in other programs. AccuZip6 comes with a free CASS CD-ROM that corrects addresses and adds a ZIP+4, CRRT and DPBC barcodes to each address. Finally, when users are ready to mail, AccuZip6 presorts and prints the reports, forms, tags and endorsements for first-, second- and third-class mailings. AccuZip6 provides a complete, comprehensive, versatile and powerful software to save users time and money. AccuZip6 is an integrated database manager, coding accuracy, telemarketing and mailing software.
$1,099 retail
$200 per year retail; quarterly updates
Software Publishers, Inc.; PO Box 2705-253; Huntington Beach, CA 92649; 714-846-1908, 800-233-0555 or 714-374-0467 (fax)

Bulk Mailer 4.1
Mail list management systems
Macintosh Plus or larger; 2 MB of RAM; external disk drive or hard disk drive; ImageWriter or LaserWriter; System 6.0.7 or later.

Bulk Mailer and Bulk Mailer Plus are mail list management systems with the capability to print labels for up to 300,000 names per list. Each program features sophisticated duplication elimination, more than 25 available address and sorting fields, mail merge, import/export, bar coding, global editing and much more. Bulk Mailer Plus is a professional mail list manager and adds the following features: sample/remainder label selection, USPS export/import, description field, Automation Compatible sorting, custom sort options, deeper duplication searching, sack and tray label printing, plus compatibility with Datatech/Brice/Scriptomatic printers.
$225 retail; Bulk Mailer (up to 8,600 names)
$450 retail; Bulk Mailer Plus (up to 300,000 names)
Satori Software; 2815 2nd Ave., Ste. 295; Seattle, WA 98121; 206-443-0765 or 206-728-7068 (fax)

Bulk Mailer C.A.S.S.
Coding Accuracy Support System for mailing list files
Macintosh Plus or larger; System 6.0.7 or later.

Bulk Mailer C.A.S.S. is a Coding Accuracy Support System (C.A.S.S.) for mailing list files. Bulk Mailer C.A.S.S. will automatically correct street addresses, as well as add Zip+4 and Car-Rt information. By using USPS approved C.A.S.S. software, mailing pieces will qualify for additional postal discounts. These discounts can bring mailing costs to as low as 13.1 cents per piece. Users can use Bulk Mailer C.A.S.S. with files maintained by Bulk Mailer, or with files generated from other packages (such as FileMaker) in a text file format. Bulk Mailer C.A.S.S. comes on a CD-ROM and covers

the entire United States. The information is licensed from the Postal Service and is updated quarterly.
$150 per quarter retail
Satori Software; 2815 2nd Ave., Ste. 295; Seattle, WA 98121; 206-443-0765 or 206-728-7068 (fax)

EZ Shipperz For FileMaker Pro
Automated Shipping system
Macintosh LC II or larger; hard disk drive; FileMaker 2.0 or later; System 6.0.5 or later.

EZ Shipperz For FileMaker Pro is a FileMaker Pro shipping system that allows users to simultaneously monitor and choose from multiple shipping costs right on their entry screen. Users can compare all UPS, Federal Express, Airborne and US Mail rates, then choose the most cost-efficient ship method from a simple pop-up menu. City, state, eight different rates and all five zones are automatically looked up when users enter an address and any Zip code (contains more than 40,000 Zips). Weights of contents and cartons may be calculated automatically or manually. EZ Shipperz prepares packing slips, shipping labels, Expected Shipping Schedules, an approved UPS Host Manifest and Summary, required by UPS and more. The package also includes UPS Approval documentation. Simple documentation is provided to help users set up necessary lookups in this system to use with their existing FileMaker Pro invoicing files, as well as other systems, such as Biz Basics EZ.
$298 retail
$498 retail; multiuser
Working Solutionz Software; 2191 Rosecrans St.; Simi Valley, CA 93065; 805-522-2170 or 805-527-7787 (fax)

KiwiEnvelopes! Version 3
Desk accessory for printing envelopes
Macintosh 512KE or larger.

KiwiEnvelopes! is a desk accessory optimized to address and print envelopes without leaving the current application. Addresses copied from a letter in a word processor are automatically pasted in KiwiEnvelopes! Often used return addresses, mailing addresses and messages can be saved to a default file for instant retrieval. Logos or any other graphic can also be used. KiwiEnvelopes! provides a WYSIWYG preview and saves a user time by bypassing the usual print dialog boxes. Address typeface, size and style are user definable. On laser printers, the program can print USPS-tested bar-code markings to expedite a user's mail to its destination.
$49.95 retail
Kiwi SOFTWARE, Inc.; 6546 Pardall Rd.; Santa Barbara, CA 93117; 805-685-4031, 800-321-5494 or 805-968-1932 (fax)

Labels And Envelopes Deluxe II
Label and envelope desk accessory
Macintosh 512KE or larger.

Labels And Envelopes Deluxe is a desk accessory that works with all Macintosh word processors and data managers, including HyperCard, to print single labels, envelopes, file cards or complete mailing lists. It lets users choose the fonts, type sizes and formats that meet their needs and remembers their preferences automatically. It accepts a variety of the most popular business forms, ranging from 1-inch labels to 3- by 5-inch post cards or any other common label stock. It supports graphics logos and messages, laser printers and ImageWriters.
$45 retail
Eastgate Systems, Inc.; PO Box 1307; Cambridge, MA 02238; 617-924-9044, 800-562-1638 or 617-923-4575 (fax)

MacEnvelope 5.2
Envelope printing; label printing with wide area postal bar coding and Encapsulated PostScript graphics
Macintosh Plus or larger; System 6.0.3 or later; ImageWriter or LaserWriter.

MacEnvelope is an envelope and label printing program that works with any printer. It features bulk printing, importing and exporting of lists and will save 1,600 names per file. It also offers users a choice of fonts, styles and sizes, as well as the ability to position addresses and print any size envelope or label. Addresses and layouts can be saved for future use. Version 5.2 features include: wide area Zip+4 bar coding; OCR font (readable by Postal Service optical character reader); color (optional with ImageWriter II); message field; graphics; saving addresses to disk (1,600 per file); alphabetizing or sorting by Zip code; compatibility with MacPhonebook; and more. The program has a convenient desk accessory that accesses any list, any envelope and any label. MacEnvelope is System 7 compatible.
$79.95 retail
Synex; 692 10th St.; Brooklyn, NY 11215; 718-499-6293, 800-447-9639 or 718-768-3997 (fax)

MacEnvelope Professional
Professional mail management
Macintosh Plus or larger; System 6.0.3 or later.

MacEnvelope Professional integrates all the features needed for professional list management, envelope or label graphic design and printing. It has a fast, easy-to-understand, powerful interface — everything is there at a user's fingertips. Users select any list, choose any template, perform any range function or print job without leaving the main window. Features include: USPS automation (advanced bar code, automation totals, carrier routes, clean address, endorsement line, bulk mail report, presort, wide-area bar code and walk sequence sorting); template and graphics tools (graphics, center address, field location, graphic library, mixed text and place graphics); list management (add text, expanded records, export formats, global searches, importing text files, list capacity of 300,000 records per file, search records and 10 flags per record); desk accessory (access address lists, create lists, printing and graphics); printing utilities (all caps, fit in label, printable data fields, presort order, repeat label and wide-area bar coding); and System 7 compatibility.
$250 retail
Synex; 692 10th St.; Brooklyn, NY 11215; 718-499-6293, 800-447-9639 or 718-768-3997 (fax)

MacFederal
Rate calculator for Federal Express services
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later.

MacFederal is a rate calculation desk accessory for Federal Express services. A software version of a Federal Express airbill, users simply enter the package weight and declared value, select the desired services and MacFederal will display the cost. It is System 7 compatible.
$39.95 retail
Computer:applications, Inc.; 12813 Lindley Dr.; Raleigh, NC 27614; 919-846-1411 or 919-846-1412 (fax)

MacParcel
Rate and zone calculator for UPS shippers
Macintosh Plus or larger.

MacParcel is a UPS rate and zone calculator desk accessory. Complete with 1992 rates and services, this easy-to-use DA is available anytime in any application to calculate the UPS zone and give users accurate costs for all their UPS parcels and letters. When given the destination Zip code, weight and declared value, MacParcel will calculate the shipping zone and total cost for shipment, including COD, Insurance and any user-defined handling charges. Easy to use within databases, accounting packages or any Macintosh application, MacParcel takes the guesswork out of everyday UPS mailings. MacParcel is System 7 compatible.
$39.95 retail
Computer:applications, Inc.; 12813 Lindley Dr.; Raleigh, NC 27614; 919-846-1411 or 919-846-1412 (fax)

MacSys Pro-Filer
Mailing list management system
Server requires Macintosh SE/30 or larger; 8 MB of RAM; 80 MB hard disk drive. Client requires Macintosh Plus or larger.

The MacSys Pro-filer is a 4th Dimension-based client/server mailing list management system. Originally designed for an NHL Hockey Club's promotional office, the system provides powerful boolean search functions for targeted mailings based on user-defined criteria (using matching algorithms based on any combination of field or keyword variables). This system prevents duplicate mailings, imparting substantial savings to any organization with high volume mailing. Input Field criteria can be configured by a user. The system will print mailing labels or envelopes in most formats using any Macintosh-driven printers. The MacSys Pro-filer features a mail merge function using a built-in word processor. This system maintains a record of correspondence, including search capability by correspondence. The MacSys Pro-filer will print detailed lists based on any search criteria. The MacSys Pro-filer is customizable as required.
$8,900 U.S. retail; 10 users
$200 U.S. retail; each additional user
MacSys Inc.; 362 Terry Fox Dr., Ste. 200; Kanata, Ontario, Canada K2K 2P5; 613-591-9200 or 613-591-8089 (fax)

Mail Master
Mailing list manager
Macintosh Classic II 4/80 or larger; System 7.1 or later.

Mail Master enables users to create and manage an extensive number of lists simultaneously. Each contact in the system can belong to multiple lists and has both home and work addresses in their file. The search-and-sort capability allows users to specify up to 32 levels deep to create each list and then save the search criteria for future use. All lists can be saved for reuse. Existing lists outside the system can be imported via an ASCII file. Mail Master will also create mailing labels and has a built-in mail-merge program.
$1,495 retail; single user
$1,895 retail; multiuser server
$595 retail; per CPU user
Strategic Marketing Resources; One Rockefeller Plaza, Ste. 1506; New York, NY 10020; 212-826-3818 or 212-355-3213 (fax)

MailManager
Mail merge program for pension trust fund management companies
Macintosh Plus or larger; hard disk drive.

MailManager is a mail merge program designed to meet the diverse communications needs of pension trust fund management companies. The program keeps a detailed database for both headquarters and division level participants of the pension trust fund. Search and sort features allow users to make selections for headquarters only, divisions only, some or all headquarters with all divisions, in specified states, cities, Zip codes, industry codes, etc. MailManager allows for the production of letters that are more than one page in length. Letterheads can be inserted upon request. The program includes several classified reports, such as headquarters, company and divisions by name, account number, state, city, Zip code, industry code, etc.
$995 retail; with support
$395 retail; without support
Nova Electronics & Software; 1525 Third St., #A201; Riverside, CA 92507; 714-781-7332 or 714-781-0178 (fax)

Mail•Dex 2.0
Desk accessory that prints envelopes and labels
Macintosh Plus or larger; System 5.0 or later; printer.

Mail•Dex is a desk accessory that stores and retrieves addresses, phone numbers, recipes and more using a familiar Rolodex-type cardfile. Users can create as many cardfiles as they need or want — they'll always be available from a single menu. Users can search for anything — even a partial name or phone number, and instantly see the information.; print on envelopes or labels using any font in their system, either print all cards or only the one(s) needed. A layout editor helps users precisely place labels of any size anywhere on a page (two-across, three-across, etc.). Mail•Dex will print a user's return address on plain envelopes, and even a memo line on the lower-left corner. Mail•Dex works with System 7 and has been accelerated for Power Macintosh.
$29.95 retail
Mission Accomplished Software Services Inc.; 667 Corte Raquel; San Marcos, CA 92069; 619-598-6228

SuperMOM
Mail order management
Macintosh Plus or larger; hard disk drive; LaserWriter, ImageWriter or HP Deskwriter.

SuperMOM is a fully integrated database that provides all of the varied features necessary to accommodate a direct marketing mail order business. The program includes Order Entry, Mail List Management,

These Products Available Through Bottom Line Distribution
1-800-347-1923

Telemarketing, Billing, Accounts Receivable, Inventory Control and an extensive Report Generator. A UPS-approved shipping module is optional. Flexibility of reporting, and financial/inventory analysis, provides an especially powerful management tool for viewing sales history and tracking marketing trends. Reporting includes Accounts Receivable, Top Customers by $ amount, Geographic Analysis, Commissions, Method of Payment, Drop Ship and Inventory Analysis. SuperMOM generates all the documents users need, including Invoices, Packing Slips, Billing Statements, Shipping Labels, Mailing Labels, Sales Quotes and Credit Card Slips. It also exports customer information for spreadsheet analysis, mail merge and mail list resale. The UPS Module automatically creates the shipping manifest and prints necessary labels and COD tags. SuperMOM grows with a user's business. Users may upgrade between versions for just the difference in price.
$295 retail; Home Business/Start-up Version
$695 retail; single user
$2,195 retail; multiuser (up to five workstations)
$150 retail; each additional station
$200 retail; UPS Module
$25 retail; demo package with complete program documentation
National Tele-Press; PO Box 379; Winnetka, IL 60093; 708-441-0405, 800-448-0988 or 708-441-0573 (fax)

■ UPS Mailbox
Shipping information
Macintosh Plus or larger (68030 processor recommended); 2 MB of RAM; System 6.0 or later (System 7.1 recommended); hard disk drive.

UPS Mailbox allows businesses to process shipping orders for letters and packages to any of the 48 continental states, Hawaii, Alaska, Canada, Mexico and more than 200 selected International Countries. Specific template sets are required for each area (State and Zip Code area), as well as Alaska and Hawaii. The program consists of eight files. Users only need to contact their local UPS representative for requirements for local approval. UPS Mailbox has been approved for use in Arizona for Zip codes 85001 to 85199. The user's local UPS may contact Arizona UPS if there are any questions. All charts are designed to the 2/94 or 11/93 UPS revisions. Later releases of new updates may require modification to the lookup files and value lists in the program.
$249.95 retail
$5 retail; limited access demo
HPO Soft; 7812 W. Clayton Dr.; Phoenix, AZ 85033; 602-848-9758 or 602-849-5889 (fax)

ZP4
Adds Zip+4 codes to mailing lists
Any Macintosh.

ZP4 automatically adds Zip+4 codes to mailing lists and cleans and standardizes addresses. It consists of complete search and retrieval software designed especially for the Macintosh, plus a database of official U.S. Postal Service Zip+4 and address records for the entire country. It is USPS certified. By including Zip+4 codes on envelopes, users can send mail for as little as 16.1 cents per piece. Using carrier route numbers (also built into ZP4) allows the lowest rate of 13.1 cents per piece.
$125 retail; on CD-ROM
Semaphore Corp.; 207 Granada Dr.; Aptos, CA 95003; 408-688-9200 or 408-662-2717 (fax)

Miscellaneous Management

■ ActiGraf
Business process reengineering
Macintosh Quadra or larger; 4 MB of RAM; 5 MB of free hard disk space; System 7.0 or later.

ActiGraf is a new concept in enterprise modeling: dynamic behavioral process modeling. ActiGraf augments static process modelers with a representation that describes how the process will behave. Analysis is accomplished by graphically representing the tasks that comprise a business activity or process indicating the behavior of the task execution. Dynamic analysis follows the task flow directed by the behavior. ActiGraf employs a powerful, simple graphical language to describe the behavioral relationship among and between the steps that make up a process. This view of the enterprise complements data modeling and IDEFO analysis. ActiGraf models contain information that can vary the procedure paths dependent upon dynamic conditions. The behavior can be analyzed by simulating the conditions that determine the execution of a process. ActiGraf provides two modes, an IDEFO diagram mode and the ActiGraf graphical language, to capture the behavioral view and provide a dynamic analysis of the process.
$795 retail
Business Modelling Systems; 101 First St., Ste. 424; Los Altos, CA 94022; 415-941-3901 (phone/fax)

AffiniFile 1.1
Fast access to notes and graphics
Macintosh 512KE or larger.

AffiniFile is designed to help a user keep notes, store graphics and find information quickly — starting with an automatic index. This desk accessory files a user's notes and graphics by topic or subtopic. The program works like a notebook, tied to a scrapbook, centered on an index. Features include: a user may create as many AffiniFiles as needed; each AffiniFile may include hundreds of topics and subtopics — automatically sorted in the Topics index; each topic may include up to 5,000 words of notes and a full page of graphics; "Cross-reference" shows related topics in the "See also..." window; "Alias Link" lets a user add synonyms to the Topics index; AffiniFiles can be selected to open as default files in specific applications; for help files, the program can be set to always open with the first topic selected, and in locked mode; for notes files, the program can be set to always open with the last reviewed topic selected, and in unlocked mode; compare between two topics; and more. "Customs" is the program's import/export/merge utility to share files with other programs. It allows a user to export or import between More files, text files or databases; merge multiple AffiniFiles into one; and more. Additional features include the ability to print the whole file (with graphics) or print selected topics; change typestyles or sizes, as well as select among more than a dozen options; search through the Topics index, the Notes window or both; include a graphic of up to 32K with each topic or subtopic; and time stamp and date stamp topic names or notes.
$79.95 retail
Affinity Microsystems, Ltd.; 1900 Folsom St., Ste. 205; Boulder, CO 80302; 303-442-4840, 800-367-6771 or 303-442-4999 (fax)

Aspects Document Collaboration System
Groupware for real-time document conferencing
Macintosh Plus or larger; AppleTalk-compatible network, modem, ISDN or Internet.

Aspects provides a powerful shared workspace for almost anyone — whether they are in a conference room, classroom or at 16 different sites around the world. Aspects lets a group of people work together on the same document at the same time, and see each other's changes as they happen. Everyone can see the document, anyone can make changes to it, and those changes are immediately visible to everyone. It runs on any Macintosh computer linked with a modem or AppleTalk-compatible network connection. With appropriate hardware or software, Aspects can also be used with ISDN, video conferencing and the Internet.
$895 retail; five pack
$495 retail; education five pack
Call for pricing on other quantities
Group Logic, Inc.; 1408 N. Fillmore St., Ste. 10; Arlington, VA 22201; 703-528-1555, 800-476-8781 or 703-528-3296 (fax)

Brackets & Schedules V1.5
Sports management software that deals with sports scheduling and tournaments
Macintosh Plus or larger.

Brackets & Schedules allows users to develop and outline different combinations of team or player schedules and tournament brackets. The software package includes 33 tournament bracket templates, 14 league-type schedules, plus additional worksheets. Bracket templates include single-elimination tournaments, two-game guarantee tournaments, double elimination-type tournaments and many others.
$99.50 retail
JGR Sports Software; 510 N. 100 West; Richfield, UT 84701; 801-896-9292

The Computerized D.O.T.
Occupational information
Macintosh Plus or larger; 1 MB of RAM; 6.5 MB of hard disk space.

The Computerized D.O.T. brings the Dictionary of Occupational Titles (D.O.T.), the most definitive source for occupational information, to a user's fingertips and provides a fast way of finding occupations. Users enter a word describing an occupation and see a list of matching titles in seconds. Or, users can search by interests, industries or D.O.T. clusters. When a suitable occupation is found, users click on it, and the definition is displayed to be read or printed. The Computerized D.O.T. Plus adds the Worker Traits (selected characteristics) on both the list of matching titles and along with each definition.
$239 retail; CDOT
$699 retail; CDOT Plus
Wintergreen/Orchard House; PO Box 15899; New Orleans, LA 70175; 800-321-9479 or 504-866-8710 (fax)

In/Out 1.0.2
Electronic people tracker
Macintosh 512KE or larger (user software); Macintosh Plus or larger (server software); hard disk drive; System 6.0.4 or later.

In/Out is an office-oriented network program that allows users to check "in" or "out" so co-workers and switchboard operators will know where everyone is. A feature of In/Out allows users to leave notes or memos, such as "Gone to the Dentist," "Be back at 1:00" or "Gone Home." User-defined memos can be selected or users can create or type a different message. In/Out also automatically dates and time stamps when a user checks in and out. An additional feature automatically notifies users when someone they wish to speak to arrives. The notification can occur through a pop-up box or flashing icon. In/Out is efficient and easy to use. It's accessible from a single keystroke and a user-set preference causes In/Out to pop-up on the screen upon startup and again at shutdown if desired.
$249.95 retail; 25-user pak
PrairieSoft, Inc.; PO Box 65820; West Des Moines, IA 50265; 515-225-3720

Instant Update
Live documents for groups
Macintosh Plus or larger; System 6.0.4 or later; network.

Instant Update is a collaborative application for Macintosh networks that helps users communicate through live documents and allows them to manage groups and activities in one forum. Users create live documents just like any word processing document, and then distribute the document to other users on the network. By pressing the Update button when there is a black "incoming" arrow, any changes, feedback or status updates that were made to the document are automatically incorporated into a user's copy. Users can constantly stay on top of all people and projects in their group. All of a user's live documents are organized in the Document Manager portion of Instant Update. The program is System 7 compatible.
$495 retail; two-user pack
$995 retail; five-user pack
ON Technology, Inc.; One Cambridge Center; Cambridge, MA 02142; 617-374-1400, 800-548-8871 or 617-374-1433 (fax)

MacManager
Management simulation
Any Macintosh.

MacManager is a realistic, competitive management simulation designed to improve a user's strategic management skills. By making business decisions based on financial data, users try to maximize a hypothetical company's profits. Rather than simply displaying columns of numbers, the program uses the Macintosh's graphics capabilities to enable a user to view production, observe plant capacity and monitor inventory. The program includes the ability to save a game in progress, as well as view each player's office at the conclusion of the game.
$19.95 retail

Harvard Associates, Inc.; 10 Holworthy St.; Cambridge, MA 02138; 617-492-0660 or 617-492-4610 (fax)

The North American Fax Book
More than 150,000 addresses and fax numbers
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive.
The North American Fax Book contains more than 150,000 business mailing addresses and fax numbers for companies and locations in the United States, Canada and Mexico. Users can search for various companies, generate sales leads, product phone lists, print pressure-sensitive label lists and transfer the information to other computers and software within minutes.
$199.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A; Minneapolis, MN 55414; 612-379-3956 or 612-623-4570 (fax)

Office Tracker Pro
Group scheduling and in/out tracking
Macintosh Plus or larger; System 7.0 or later.
Office Tracker Pro is a System 7 savvy in/out tracking and group scheduling system for people, places and things. It lets users create multiuser in/out boards where co-workers, managers and receptionists see at a glance which people (or resources) are "in" or "out," when they left, when they will return, where they went and messages, such as "Out to lunch" or "Direct calls to Joan." Users can sign in and out with a simple keystroke and set times to sign in or out automatically. An optional notify feature alerts users when selected items return. Items are represented by name and color icons: person, car, meeting room, computer, etc. Additional information, such as phone extensions or serial numbers, can be added. Display options let users customize the look of boards. Items can be sorted by name, type, return time, etc. Auto-logging lets users track the in/out activity for any period of time.
$395 retail; five users
$695 retail; 10 users
$1,295 retail; 20 users
$2,495 retail; 50 users
Milum Corp.; PO Box 163985; Austin, TX 78716; 512-469-2966, 800-257-2120 or 512-469-2920 (fax)

OfficePro Fax/Transmittal
Creates fax "Post-Its," fax cover sheets and letters of transmittal forms
Macintosh Plus or larger; Microsoft Excel 4.0 or later.
OfficePro Fax/Transmittal creates fax "Post-Its" to paste into any application, printed or fax-modem (user-customizable) fax cover sheets and letters of transmittal forms. A built-in directory finds and enters addresses, phone and fax numbers (if listed). Each time users create a fax or transmittal document, the date, addressee, sender and other information are automatically saved to a permanent fax/transmittal log.
$24 retail
StormWorks; 2321 Englewood Ave.; Durham, NC 27705; 919-286-6638 (phone/fax)

Optimization, Risk, Simulations
Business optimizing and simulation techniques
Macintosh 512K or larger.
Major topics covered in Optimization include: optimization by sampling and inference; optimization by experiment, including the use of response-surface experiments and the use of orthogonal arrays; optimization by mathematical programming, including linear programming and goal programming for multicriteria optimization; and optimization by simulation. Special topics include the study of queues and simulated queuing systems; inventory problems; and the optimization of financial portfolios.
$145 retail
Lionheart Press, Inc.; PO Box 20756; Mesa, AZ 85277; 602-396-0899, 514-526-7877 or 602-396-0932 (fax)

Party Organizer Template
Event planning
Macintosh Plus or larger; FileMaker Pro 1.0 or later; System 6.0.4 or later.
The Party Organizer is ideal for any individual or event planner. It will allow users to keep track of all the elements necessary pertaining to invited party guests and if they bring gifts. If users just need to keep track of expenses, the template calculates and provides a running total of the party's cost. Topics include: Names and Addresses of Guests; Date Invitations were Sent; Number of Guests Attending; Table Assignments; Yes and No Responses; Total Guests; Description of Gifts Received; and Thank You Notes.
$14.95 retail
Video Marketing; 6907 Jamieson Ave.; Reseda, CA 91335; 818-343-2743

Performance Mentor 2.0
Desktop management advisor
Macintosh Classic or larger.
Acting as a manager's personal advisor, Performance Mentor supports the people management responsibilities critical to business productivity. Corporate managers can now consult this desktop advisor on daily employee management issues, from coaching and setting objectives to performance feedback and appraisals. Using proven management principles and custom profiling, the program provides managers with unbiased advice for their specific situation based on the experience of management experts. Using a series of descriptive terms, Performance Mentor first profiles both the manager's and employees' style of operation and their working environment. The program then acts as a consultant by asking questions and formulating impartial, unemotional advice on how to best approach a particular employee and handle the performance discussion. Explanations for each piece of advice are available. These explanations allow a manager to confirm the reasoning behind recommendations and the appropriateness of certain advice for specific situations.
$395 retail
Performance Mentor, Inc.; 3921 E. Bayshore Rd., Ste. 205; Palo Alto, CA 94303; 415-969-4500

Place-Name-Index
More than 1 million place names
Macintosh Plus or larger; 1 MB of RAM; CD-ROM player.
The Place-Name-Index offers quick and convenient access to more than 1 million place names collected from the quadrangle maps of the U.S. Geological Survey. Every state is included, plus the District of Columbia. The CD-ROM contains the names of populated places, hospitals, schools, cemeteries, airports, churches, beaches, lakes, rivers, valleys, trails, canals, parks and more. Each of the records contain: place name, state, county, feature type (lake, church, etc.), FIPS code (state/county), elevation (when available), longitude and latitude and quadrangle map name. The Place-Name-Index data was indexed with TextWare, which allows high-speed full-text searching of the database.
$795 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

RateFinder 2.1
Multicarrier shipping/mail price shopping
Macintosh with 4 MB of RAM; hard disk drive.
RateFinder compares many different carrier's rates for the same package in one easy operation. It comes with complete worldwide entries for UPS, Federal Express, U.S. Mail and sample Airborne Express rate tables. Users can update entered carriers and add new carriers and service/classes. Note fields for each carrier/class expand to a full page of information. Shipments can now be logged with indexed references to one-inch ship address labels printed. RateFinder 2.1 contains carrier/zone charts for shipments originating in the continental 48 states. Significant savings can be realized in a very short time. When shipping to some destinations, RateFinder can pay for itself in one decision. The Rate Totals screen lets users add special costs, such as COD or Saturday Delivery, to the base package rate. RateFinder knows about weight limits for each carrier/class and most special services, such as Pick-Ups, Insurance, Registered Mail, Return Receipts, etc. RateFinder also includes a Dimensional Weight Calculator and stores shipment records and prints labels. On-screen interactive alerts in the Rate Ship and Rate Totals windows guide users through operations. For updates, RateFinder Datazine periodical subscriptions are available to registered owners.
$139 retail; includes 6 month Datazine update subscription
$49 per year retail; further RateFinder Datazine update periodical subscription
Elefunt Software; 724 Allston Way; Berkeley, CA 94710; 510-843-7725 or 510-486-1818 (fax)

Sticky Notes+ With J&B Home
Software emulation of 3M Post It notes; Home stack replacement
Macintosh Plus or larger; 1 MB of RAM; HyperCard.
Sticky Notes+ is a software emulation of 3M Post It notes. Users can create pop-up notes on any card, in any HyperCard stack via simple commands. They can create either a separate note card or a local pop-up field. To-do lists, notes for follow-up and comments to others can be put in hidden pop-up fields or in separate note cards. A small icon will appear on the card the note is created from. Users simply drag the icon around to the desired position on the card. Sticky Notes+ will automatically create all of the script, buttons, fields and cards to accomplish this. The note cards that are created are automatically linked to the card they were created from.
J&B Home replaces the original home stack that is supplied with HyperCard. The stack is organized into seven index tab sections. Each section can be custom named to organize files and stacks, providing more than 40 separate cards. Buttons are automatically created to launch an application, document or stack, and can be positioned by dragging them as in the Finder. They can also be deleted by using option click. This stack has all of the original Apple icons already installed.
$49.95 retail
Survivor Software Ltd.; 11222 La Cienega Blvd., Ste. 450; Inglewood, CA 90304; 310-410-9527 or 310-338-1406 (fax)

Sun Clock 4.0
Graphically displays the areas of day and night on a map of the world
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later.
Sun Clock displays the areas of day and night on a beautifully-drawn, colorful map of the world as seen from space. The "night shadow" moves across the map to keep pace with the day's progress, and changes shape with the seasons. Sun Clock is available as a desk accessory, a Pyro! module and an After Dark module. The desk accessory can be displayed as a large (Macintosh Classic-size) or small (1.5 by 1-inch) window. Local time readouts can be placed on the map in the large window. Associated with each location readout is a notepad for phone numbers, etc. A distance function allows users to click on two locations and get the distance between the two. The night shadow for dates other than the current date can be displayed. The screen saver modules fill the screen, but do not support local time readouts or the display of other dates. The desk accessory color map needs at least 8-bit color, otherwise a black and white map is displayed. The screen saver modules require 8-bit color and cannot run in black and white.
$40 retail
Palo Alto Software; 144 E. 14th Ave.; Eugene, OR 97401; 503-683-6162, 800-229-7526 or 503-683-6250 (fax)

Trade Opportunities Vol. II
International and domestic trade information
Macintosh Plus or larger; 1 MB of RAM; CD-ROM player.
Trade Opportunities CD-ROM contains international and domestic trade information: Department of Commerce "Trade Opportunities Program (TOP)" July 1990 to Sept. 1991; Department of Commerce "Commerce Business Daily (CBD)" Aug. 1990 to Aug. 1991; External Affairs and International Trade Canada 1991 Companies for World Markets; Selling to International Markets; Sales and Marketing Research; and Information Reference.
$149 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

Wedding Organizer Template
Organizes a wedding
Macintosh Plus or larger; FileMaker Pro 1.0 or later; System 6.0.5 or later.

The Wedding Organizer is ideal for any individual or event planner. It will allow users to keep track of all the elements necessary pertaining to invited guests and their gifts. It also calculates expenses and provides a running total of the wedding's costs. Topics include: Names and Addresses; Side of the Family; When Invitations were Sent; Ceremony and Reception Essentials; Number of Guests Attending; Yes and No Responses; Table Assignments; Total Guests; and Description of Gifts Received and Thank You Notes.
$14.95 retail
Video Marketing; 6907 Jamieson Ave.; Reseda, CA 91335; 818-343-2743

Operating Systems

A/UX 3.0.1
Implementation of Unix operating system
Macintosh SE/30, IIx, IIsi, IIcx, IIci, IIfx, II (with PMMU upgrade), Centris 650 (with FPU) or Quadra 700, 800, 900, 950; 8 MB of RAM; hard disk drive.

A/UX, Apple's version of the industry standard Unix operating system for the Macintosh computer, gives users access to the intuitive Macintosh desktop within the Unix environment. With A/UX, users can simultaneously run multiple Macintosh productivity applications, Unix applications, X-Window System applications and MS-DOS applications (using SoftPC from Insignia Solutions) on one desktop. A/UX 3.0, Apple's latest version of Unix, offers customers new features: it further integrates Macintosh power and ease-of-use features, ranging from full System 7 functionality to support for the high-performance Macintosh Quadra computers, with industry standard Unix; integrates QuickTime, the revolutionary extension to Macintosh and A/UX system software products that provides multimedia capabilities, such as sound, video and animation; and is the stepping stone for a smooth migration path to the PowerOpen environment — a new, open-systems environment created by Apple and IBM's recent alliance that will offer customers and developers an easy-to-use, standards-based, high-performance system.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Chinese Language Kit
Brings multilanguage capabilities to Macintosh users
Macintosh with 5 MB of RAM; hard disk drive with 10 MB of free space (17 MB to install both Traditional and Simplified characters); System 7.1 or later; CD-ROM drive to use included TrueType fonts.

The Chinese Language Kit makes it easy for people to work in Chinese and English (or other languages). It allows users to input, edit and display Chinese characters without having to use a fully localized Chinese version of the Macintosh operating system. The Chinese Language Kit is based on WorldScript, which provides system-level support for the most widely used written languages and a unified platform on which developers can create applications for worldwide markets. The Chinese Language Kit supports both Traditional and Simplified characters. It includes bilingual documentation, TrueType fonts and a wide variety of input methods, including the most popular — Pinyin and Zhuyin.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Japanese Language Kit
Lets users write and edit with Japanese characters
Macintosh Plus or larger; 4 MB of RAM (5 MB recommended for multiple applications); hard disk drive; SuperDrive; Japanese or WorldScript savvy application; System 7.1 or later.

The Japanese Language Kit can be used with Macintosh computers to run Japanese applications and include Japanese text in letters, presentations and reports. Users can also work with files created using KanjiTalk, Apple's Japanese version of the Macintosh Operating System. The Japanese Language Kit works as an extension to System 7.1. It does not translate text: however, it allows users to input, edit and print in Japanese using the current operating system. The Japanese Language Kit comes with two Kanji TrueType fonts, which offer high-quality output from any Macintosh-compatible printer. Documentation is provided in both Japanese and English. Users can type using either the Roman or kana keyboard layout.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Liken
Emulates the Macintosh environment on Unix workstations
Sun SPARCstation/Sun OS; HP Apollo 9000 Series 700; IBM RISC System/6000.

Liken is a software program that emulates the Macintosh environment on Unix workstations. Liken allows standard off-the-shelf Macintosh applications to run in an X window on the Unix desktop. Within the Liken environment, workstation users can move freely between native Unix and Macintosh applications, access Macintosh software and interact with Macintosh files on the network. Liken seamlessly links Macintosh and workstation users to Ethernet and AppleTalk networks. This allows Macintosh and Unix users to share files and databases, use software residing on Macintosh servers and exchange mail via popular Macintosh mail packages.
$695 to $895 retail
Xcelerated Systems, Inc.; 9245 Sky Park Ct., Ste. 130; San Diego, CA 92123; 619-576-3080 or 619-576-2504 (fax)

MachTen
Implementation of Berkeley's 4.3BSD Unix with Mach kernel
Macintosh Classic or larger; 8 MB of RAM; hard disk drive.

MachTen is an application that turns a Macintosh into a full-featured Unix workstation. It comes with more than 300 Berkeley 4.3BSD utilities and commands, the Internet protocols and NFS. With MachTen, users have the benefits of a networked Unix workstation combined with the benefits of the Macintosh user interface. MachTen multitasking enables Unix applications to run simultaneously with all the existing Macintosh applications. MachTen communications software enables a Macintosh to be a full Internet participant. The Macintosh can exchange electronic mail and transfer files with any machine that supports the TCP/IP protocol suite. MachTen distributed file system software lets users use any system that supports NFS as a file server. MachTen Berkeley network enhancements (rcp, rsh, rlogin) let users log on to other Unix systems and transfer information. Full software development environment is included.
$495 retail; Personal MachTen
$695 retail; Professional MachTen (with virtual memory)
$350 retail; X Software Option (X Client, Motif, X Server)
Tenon Intersystems; 1123 Chapala St.; Santa Barbara, CA 93101; 805-963-6983 or 805-962-8202 (fax)

Macintosh System 7 Pro
Macintosh operating system
Macintosh or PowerBook; 4 MB of RAM; hard disk drive.

System 7 Pro provides System 7, PowerTalk, AppleScript and QuickTime software in one package, helping users streamline their work and communicate with their colleagues more effectively. PowerTalk allows users to correspond and work with others using built-in mail and collaboration services. AppleScript is a system-level "macro" language that lets any user invoke prescripted automated tasks with the click of a button. With AppleScript, users can use their favorite off-the-shelf applications to create powerful, cost-effective custom solutions. QuickTime is Apple's industry-leading multimedia technology that lets users view, copy and paste video, animation, images and sound as easily as they manipulate text.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Macintosh System Software Version 7.1
Macintosh operating system
Macintosh Classic or larger; 2 MB of RAM (4 MB recommended); hard disk drive.

Macintosh System 7 strengthens the Macintosh computer's usability immediately with built-in features that automatically work with thousands of new and currently shipping Macintosh applications. Some of these features include a new Finder, or desktop, which makes using the Macintosh even easier; TrueType, which ensures sharp type quality at any size; File Sharing, which allows any user to share designated items with any other user over a network without a dedicated file server; Virtual Memory, which provides expanded availability of the computer's memory for programs; and Multitasking, which allows users to work with multiple applications and perform several tasks concurrently. Version 7.1 incorporates Apple's WorldScript technology, which provides inherent support for most written languages. It also provides built-in potential for multilanguage computing on the Macintosh.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

MacX 1.2
Extend the benefits of Macintosh personal computing to users who require access to X functionality
Macintosh Classic or larger; 5 MB of RAM; hard disk drive; System 6.0.5 or later.

MacX provides X display server capability within MultiFinder for either the Macintosh operating system or A/UX. MacX software offers unique ease-of-use features, such as Macintosh pull-down menus and X applications in Macintosh windows. Based on X11R4, MacX features include: improved performance (two to three times) over MacX Version 1.0; use of significantly less memory; color graphics; and the capability to cut and paste text between X applications and Macintosh applications.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

QuickTime 1.6
System software architecture
Macintosh Classic II or larger; 2 MB of RAM; System 6.0.7 or later.

QuickTime is a system software architecture for the integration of dynamic media for Macintosh computers. It allows third-party developers to integrate dynamic media, such as sound, video and animation, in a consistent, seamless fashion across all applications. QuickTime provides breakthrough functionality and offers a standard platform for all Macintosh development, enabling developers to not only extend the capabilities of current applications, but also create entirely new categories of applications. These new categories include videoconferencing, store-and-forward video mail, low-cost video editing and dynamic CD-ROM magazines. The QuickTime architecture consists of four major components: system software, file formats, Apple Compressors and Human Interface Standards. These components form a software architecture that is extensible, open and offers cross-platform standards for dynamic data exchange. Version 1.5 offers higher compression ratios, which results in larger movie frame sizes and better frame rates. It also provides support for Kodak's Photo CD technology and full screen/full motion video with available add-on hardware.
INIT is free of charge
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

QuickTime Starter Kit
Provides the fastest way to get started using sound, video, animation and compressed still images
Macintosh LC or larger; 4 MB of RAM; hard disk drive; System 6.0.7 or later.

The QuickTime Starter Kit provides the fastest way to get started using sound, video, animation and compressed still images on a Macintosh. When used with products that support QuickTime, users can cut, copy and paste QuickTime movies into documents and presentations as easily as they already work with text and graphics. The product includes four easy-to-use utilities that allow users to play movies (MoviePlayer),

compress still images to a fraction of their original size (Picture Compressor), convert existing content into movies (Movie Converter) and, with a video digitizer card, capture video movies (Movie Recorder). The QuickTime Starter Kit also includes QuickClips — a CD-ROM containing more than 400 MB of clip video, animation and high-quality still images, all indexed for easy browsing; and an electronic QuickTime product catalog listing more than 100 shipping products that are QuickTime savvy.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Optical Character Recognition

CatchWord Pro
Optical character recognition software
Macintosh Plus or larger.
CatchWord Pro OCR software features omnifont capability, an algorithm-based technology that requires no "training" of the software while enabling recognition of a broad range of fonts and styles, and offers a high level of speed and accuracy. With CatchWord Pro, users can achieve quick and easy data input. The program automatically merges multiple horizontal and vertical scans, offering full-page capability while retaining the popular form factor of the hand-held scanner.
$399 retail
$599 retail; ScanMan and CatchWord bundle
Logitech, Inc.; 6505 Kaiser Dr.; Fremont, CA 94555; 510-795-8500 or 510-792-8901 (fax)

CharacterEyes
OCR software
Macintosh with 4 MB of RAM; 3 MB of free disk space.
CharacterEyes is an OCR software product that saves users time and money by eliminating the need to re-key information into their software applications. It enables users to scan in a document, analyze the page layout, recognize the text with unsurpassed accuracy and output that text to the application software — all with the click of a single button. CharacterEyes reads all Western European character sets and supports all major desktop scanners and image file formats, as well as HP Accupage. CharacterEyes uses advanced neural network technology, which enables the software to replicate the human brain's ability to recognize text. It excels at reading faxes, small typefaces, dot matrix text and degraded documents. It also ships with a trainable mode, at no additional cost, which allows users to teach the product to read obscure typefaces.
$695 retail
Ligature Software Inc.; 25 Burlington Mall Road, Ste. 300; Burlington, MA 01803; 617-238-6734 or 617-272-3085 (fax)

OmniPage Direct
Optical character recognition software
Macintosh II or later; 4 MB of RAM; hard disk drive; 300 dpi scanner; System 7.
OmniPage Direct is an easy-to-use, affordable, OCR software package for highly-accurate text recognition. It is designed to scan virtually any document directly into any Macintosh application, just as if it had been typed by a user. With Caere's AnyPage and Hewlett-Packard's AccuPage technologies, OmniPage Direct's automated user interface automatically sets the optimal brightness level for OCR on every region of a page, resulting in increased recognition accuracy on poor documents. Featuring Caere's AnyFont technology, OmniPage Direct recognizes nearly all non-stylized fonts ranging from 6 to 72 points at speeds of up to 2,000 words per minute, depending on the computer's speed. The software also reads 11 European languages and automatically separates graphics from text and numbers.
$119 retail
Caere Corp.; 100 Cooper Ct.; Los Gatos, CA 95030; 408-395-7000, 800-535-7226 or 408-354-2743 (fax)

OmniPage Professional 5.0
Optical character recognition software
Macintosh with 68030, 68040 processor or Power Macintosh; 5 MB of RAM; 15 MB of free hard disk space.
OmniPage Professional is optical character recognition software that provides users with significantly enhanced capabilities in customization, ease of use, accuracy and Macintosh System 7 power. Among the key features included in OmniPage Professional are: Caere's AnyFont technology, which enables scanners to recognize virtually any document, regardless of the number of typefaces or columns used; a pop-up Verification Window that provides complete text editing and allows users to edit a scanned document while simultaneously viewing a bit-mapped image of the original page; OmniTrain, special software that correctly recognizes suspect characters; support of HP AccuPage technology and AnyPage technology for Microtek scanners, which significantly improves OCR accuracy on documents, such as newspapers, stained pages and articles with color or shaded backgrounds; capable of scanning both text and graphics, the Graphic Editor can create black and white line art or continuous-tone images with up to 256 shades of gray; editing tools; upside-down recognition; and more.
$695 retail
Caere Corp.; 100 Cooper Ct.; Los Gatos, CA 95030; 408-395-7000, 800-535-7226 or 408-354-2743 (fax)

Optix OCR Engine
OCR engine for Optix Document Image Management Systems
Macintosh II family; Optix 4.0 or later.
Optix OCR is designed to integrate seamlessly with Optix Document Imaging and Electronic Document Management Systems. Optix OCR lets users OCR all or part of a page; OCR a single page or an entire multipage document; OCR as they scan or OCR later by searching the database and telling Optix which documents to OCR — automatically; use the unattended batch mode to OCR a batch of documents overnight, or during a lunch hour; have multiple workstations processing the same OCR queue (for multiuser Optix systems only); and specify areas of a form to OCR and have Optix automatically insert OCR'd data into index fields (Optix 4.0 or later is required).
$595 U.S. retail
Blueridge Technologies, Inc.; PO Box 430; Flint Hill Sq.; Flint Hill, VA 22627; 703-675-3015 or 703-675-3130 (fax)

Optix RISC-Based OCR Engine
RISC-based OCR engine for Optix Document Image Management Systems
Macintosh II family; Optix 4.0 or later.
Optix RISC-based OCR Engine is designed to integrate seamlessly with Optix Document Imaging and Electronic Document Management Systems. It lets users OCR all or part of a page; OCR a single page or an entire multipage document; OCR as they scan or OCR later by searching the database and telling Optix which documents they want to OCR — automatically; use the unattended batch mode to OCR a batch of documents overnight, or during a lunch hour; have multiple workstations processing the same OCR queue (for multiuser Optix systems only); and specify areas of a form to OCR and have Optix automatically insert OCR's data into index fields. The RISC-based OCR Engine is a NuBus board featuring a RISC processor capable of recognizing 80,000 characters a minute. Users can run up to four Optix RISC-based boards in parallel mode in a single NuBus chassis and achieve recognition speeds of up to 320,000 characters per minute (Optix 4.0 or later is required).
$5,995 U.S. retail
Blueridge Technologies, Inc.; PO Box 430; Flint Hill Sq.; Flint Hill, VA 22627; 703-675-3015 or 703-675-3130 (fax)

Read-It! O.C.R. Pro
Automatic omnifont and trainable optical character recognition for any scanner and hand-held scanners, respectively
Macintosh Plus or larger; hard disk drive; scanner.
Read-It! O.C.R. allows users to convert any Macintosh-compatible scanner into a sophisticated OCR system. The program is capable of automatically recognizing proportionally-spaced characters and standard monospaced characters. Predefined "type tables" for most popular LaserWriter, LaserWriter Plus, typewriter and ImageWriter typefaces, as well as OmniFont capabilities, allow Read-It! to recognize characters automatically without training. The program has the ability to learn from new typefaces, making it possible to recognize a virtually unlimited number of different fonts and styles, including foreign and special characters. Read-It! uses pattern-recognition algorithms that recognize serif and sans serif typefaces in varied sizes from 7 points to more than 48 points, even when mixed in the same selection. It also recognizes kerning and ligatures and analyzes context-sensitive properties of the text for possible errors and separates text from graphics automatically. The program can also recognize bold, underline and italic text (with proper training). A built-in intelligent dictionary and user dictionaries are included.
$595 retail; Read-It! O.C.R. Pro
$295 retail; Read-It! O.C.R. Personal for hand scanners
Olduvai Corp.; 9200 S. Dadeland Blvd., Ste. 725; Miami, FL 33156; 305-670-1112, 800-548-5151 or 305-670-1992 (fax)

■ **Recore 2.0 For Macintosh**
OCR engine for system and software integration
Any Macintosh.
Recore is a powerful function library with a high-level programming interface that controls and manages the recognition process. This includes recognition operation, session control and image and file management. Its small size (800 kilobytes, nominal) simplifies integration and speed execution. Recore features dual-engine architecture and offers the widest character recognition available — including 11 European languages. Recore uses Ocron's omnifont technology to recognize and retain text formatting and attributes, allows for manual and automatic zone specification and zone data typing. Written in C, Recore has a small code size and software-only composition that allow it to be easily integrated into other applications.
$3,995 retail
Maxsoft-Ocron, Inc.; 4110 Clipper Ct.; Freemont, CA 94538; 510-252-0200, 800-933-1399 or 510-252-0202 (fax)

TextBridge
Optical character recognition
Macintosh with 68020 processor or larger; 8 MB of RAM; System 6.0.5 or later.
TextBridge is OCR software that combines the highest level of document recognition accuracy with easy, one-button operation. Users can eliminate the time, expense and error of rekeying important documents. TextBridge lets users start with virtually any document — even those in less-than-perfect condition — and convert it to usable electronic text. Users then edit, store, search or distribute the text in their favorite word processor, spreadsheet or E-mail application. TextBridge can be used to cross over to accurate electronic text. TextBridge reads documents that contain mixed typefaces, graphics or multicolumns and provides unparalleled accuracy on faxes. The software recognizes text in 11 languages and also features a powerful Word Verifier, a TIFF Queue that allows users to process multiple TIFF files into one document and support for AppleScript and TWAIN.
$99 retail
Xerox Imaging Systems, Inc.; 9 Centennial Dr.; Peabody, MA 01960; 508-977-2000, 800-248-6550 or 508-977-2435 (fax)

TextPert 4.0
Optical character recognition software
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; scanner (optional).
TextPert captures and stores text from a wide range of media, including typed documents, newspapers, magazines, telephone directories, financial forms and more. It features universal omnifont recognition and intelligent page analysis, allowing the automatic transfer of information from almost any document into computer format without retyping. TextPert reads 32 Indo-European languages; tag and symbol insertion for easy transfer to databases and spreadsheets or interfacing with professional printing systems; and complete editing and printing commands for quick error correction and output. TextPert operates under

These Products Available Through Bottom Line Distribution
1-800-347-1923

MultiFinder and System 7, even in background mode. It supports direct image scanning by scanners from all of the following manufacturers: Abaton, Agfa, Animas, Apple, Canon, Datacopy, Dest, Epson, Fujitsu, Hewlett-Packard, Howtek, Marstek, Microtek, Mitsubishi, Panasonic, Pentax, Sharp, Ricoh, Siemens, The Complete PC and Toshiba.
$695 retail
CTA, Inc.; 25 Science Park; New Haven, CT 06511; 203-786-5828, 800-252-1442 or 203-786-5833 (fax)

TextPert Developer's ToolKit
Allows developers to include OCR technology in their software
Macintosh Plus or larger; 1 MB of RAM; System 7.0 or later; scanner (optional).

The TextPert Developer's ToolKit offers developers and integrators the capability to include CTA's optical character recognition technology in their software. The TextPert OCR engine uses omnifont technology to recognize text in any of 34 Indo-European languages in type sizes ranging from 6 to 72 points. The TextPert OCR engine supports numerous calls, including those that assist developers with automatic TIFF and PCX file input, image file manipulation, graphical user interfacing and defining areas of an image to be read as text. Richly commented example programs are included in each ToolKit. Version 2.0 features include: automatic forms detection; forms elimination; noise reduction; scanner input module; language module; and new text tags.
$1,200 retail
CTA, Inc.; 25 Science Park; New Haven, CT 06511; 203-786-5828, 800-252-1442 or 203-786-5833 (fax)

TypeReader
OCR software that reads any page of type, any type of page
Macintosh Classic II or larger; 4 MB of RAM; hard disk drive; System 6.0.5 or later.

TypeReader converts virtually any printed material into electronic formats for word processing, spreadsheet, database and page layout with incredible accuracy. It delivers Machine-Learned Fragment Analysis (MLFA), which allows TypeReader to recognize thousands of typefaces ranging from 5 to 64 points, stylized or non-stylized. TypeReader can even tackle degraded documents, such as faxes and photocopies. Features include: powerful What You Scan Is What You Get format retention (tables, columns, margins, tabs, type styles, sizes, etc.); easy to learn and use ("Auto" button for one-click recognition); recognition rate up to thousands of words per minute; and On-Screen Verifier for fast and easy proofing.
$495 retail
ExperVision, Inc.; 3590 N. First St.; San Jose, CA 95134; 408-428-9988, 800-732-3897 or 408-456-0823 (fax)

WordScan And WordScan Plus
Omnifont OCR/ document recognition software
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; scanner.

WordScan and WordScan Plus for Macintosh are sophisticated, feature-intensive OCR software packages that incorporate accurate omnifont and page structure analysis technology. Both read a wide range of documents, including typewritten, dot matrix, laser print, typeset and facsimile. They capture text and graphics in a single pass. The structure of the original document is preserved, including margins, paragraphs, tables, lists, headers, footers, font sizes, bold and italic print and underscore. WordScan saves the document in many popular application formats, including Microsoft Word, WordPerfect, MacWrite, PageMaker and QuarkXPress. Additional WordScan features include a pop-up verifier, built-in dictionaries, automatic text and image clipping, multijob processing, style sheets and the capability to scan now and recognize later.
$295 retail; WordScan
$595 retail; WordScan Plus
Calera Recognition Systems; 475 Potrero Ave.; Sunnyvale, CA 94086; 408-720-8300, 800-544-7051 or 408-720-1330 (fax)

Programming Tools/Ada

Ada Binding To Posix
Enables Ada programs to make portable operating system calls
Macintosh II; Telesoft Ada compiler; A/UX 2.0.
Call for pricing
EVB Software Engineering, Inc.; 5303 Spectrum Dr., Ste. G; Frederick, MD 21701; 301-695-6960 or 301-695-7734 (fax)

Ada Binding To The Macintosh Toolbox
Enables Ada programs to call the User Interface Toolbox routines
Macintosh II; Telesoft Ada compiler; A/UX 2.0.
Call for pricing
EVB Software Engineering, Inc.; 5303 Spectrum Dr., Ste. G; Frederick, MD 21701; 301-695-6960 or 301-695-7734 (fax)

Ada Binding To The X-Windows Systems
Enables Ada programs to call the X Library User Interface routines
Macintosh II; Telesoft Ada compiler; A/UX 2.0.
Call for pricing
EVB Software Engineering, Inc.; 5303 Spectrum Dr., Ste. G; Frederick, MD 21701; 301-695-6960 or 301-695-7734 (fax)

Ada Binding To X.25
Enables Ada programs to send messages across a communications network using X.25
Macintosh II; Telesoft Ada compiler; A/UX 2.0.
Call for pricing
EVB Software Engineering, Inc.; 5303 Spectrum Dr., Ste. G; Frederick, MD 21701; 301-695-6960 or 301-695-7734 (fax)

AXI
Ada to X Window System interface
Macintosh II; A/UX.
Call for pricing
Advanced Technology Center; 22982 Mill Creek Dr.; Laguna Hills, CA 92653; 714-583-9119 or 714-583-9213 (fax)

Programming Tools/APL

APL.68000 For The Apple Macintosh
Programming
Macintosh 512K or larger.
$155 retail; Level I (upgrade $69; APL/SV)
$995 retail; Level II (upgrades available)
Call for details on Power Macintosh version
Spencer Organization; 24 Wampum Rd.; Park Ridge, NJ 07656; 201-307-9099 or 201-307-9404 (fax)

Programming Tools/ Artificial Intelligence

AAIS Full Control Prolog
Prolog with high-level object-oriented features that allow Prolog programs to control windows, menus, buttons, other controls and interface features
Macintosh Plus or larger; 2 MB memory partition; hard disk drive.
$495 retail; educational and site licensing pricing available, as well as special direct prices
$199 retail; runtime distribution system for AAIS Full Control Prolog (no royalties; signed license and registered ownership of AAIS Full Control Prolog required)
Advanced A.I. Systems, Inc.; PO Box 39-0360; Mountain View, CA 94039; 415-948-8658 or 415-948-2486 (fax)

ALS Prolog/Macintosh 1.5
Prolog system
Macintosh Plus or larger; 2 MB of RAM; 128K ROMs; hard disk drive recommended.
$499 retail
Applied Logic Systems, Inc.; PO Box 180; Newton Centre, MA 02159; 617-965-9191 or 617-965-1636 (fax)

BioProp
Neural network simulation
Macintosh Plus or larger.
$250 retail; single end user, academic
$800 retail; single end user, non-academic
License agreement required
Office of Technology Licensing; University of California, Berkeley; 2150 Shattuck Ave., Ste. 510; Berkeley, CA 94704; 510-643-7201 or 510-642-4566 (fax)

Entrytec Professional 3.0
Shell for building software applications
Macintosh Classic or larger; 2 MB of RAM.
$149.95 retail; software only
$179.95 retail; Training Pak (combines book and software)
Albathion Software, Inc.; 302 Caledonia St.; Sausalito, CA 94965; 415-289-7599

EXSYS Professional 4.0
Expert system development tool
Macintosh Plus or larger; 2 MB of RAM.
$2,995 retail
EXSYS, Inc.; 1720 Louisiana Blvd. NE, Ste. 312; Albuquerque, NM 87110; 505-256-8356 or 505-256-8359 (fax)

■ **EXSYS RuleBook 1.0**
Builds expert systems using tree diagrams
Macintosh Plus or larger; 2 MB of RAM.

Expert systems are built using tree diagrams. Logic can be easily read by both developer and expert interviewees. As new nodes are added, branches are automatically built for all possible input values, prompting developers to consider all cases. This guarantees complete systems. Multiple trees are built representing independent aspects of a problem. Backward chaining and three confidence modes are supported. Clicking on a node brings up Balloon Help windows showing rules associated with the branch. A built-in "Expert" tests for development problems, such as incomplete branches, loop range errors, input that produces no conclusion and rules not used. Tracing, plus How and Why commands allow for rapid development. Custom screens, including multilevel hypertext help systems, can be added. A report generator allows conclusions to be printed. Systems can be run from RuleBook. Finished applications may be distributed using the no-fee Runtime License program. RuleBook systems are upwardly compatible with EXSYS Professional.
$1,495 retail
EXSYS, Inc.; 1720 Louisiana Blvd. NE, Ste. 312; Albuquerque, NM 87110; 505-256-8356 or 505-256-8359 (fax)

Flex
Expert system tool kit with frames, procedures and rules
Macintosh Plus or larger; 2 MB of RAM.
$1,000 retail
Logic Programming Associates, Ltd.; Studio 4, The Royal Victoria Patriotic Bldg.; Trinity Rd.; London, England SW18 3SX; +44-81-871-2016, 800-949-7567 or +44-81-874-0449 (fax)

GBB (Generic Blackboard Framework)
Framework for rapidly developing high-performance, blackboard-based applications
Macintosh II; 5 MB of RAM (8 MB recommended); hard disk drive; Macintosh Common Lisp.
$5,000 retail
$1,000 retail; educational
Blackboard Technology Group, Inc.; 401 Main St.; Amherst, MA 01002; 413-256-8990 or 413-256-3179 (fax)

Igor External Operations (XOP) Toolkit
Allows C programmers to create external operations to customize and extend the capabilities of Igor
Macintosh Plus or larger; MPW C or Think C.
$150 retail
WaveMetrics; PO Box 2088; Lake Oswego, OR 97035; 503-620-3001 or 503-620-6754 (fax)

ICONIX * INDUSTRIAL-STRENGTH * MULTI-USER *OBJECT-ORIENTED CASE TOOLS
* See listing under Programming Tools/CASE, or call (310) 458-0092.

MacBrain 3.0
Simulates neural networks; users can access library or create own arbitrary architectures
Macintosh Plus or larger; extra memory recommended for Plus.
$1,895 retail
$1,495 retail; educational
Site licenses are available
Neurix; 456 Putnam Ave.; Cambridge, MA 02139; 617-577-1202 or 617-577-1264 (fax)

Macintosh Common Lisp 2.0
Common Lisp programming environment
Macintosh Plus or larger; 4 MB of RAM; hard disk drive.
$495 retail; site licenses available
APDA — Apple Computer, Inc.; PO Box 319; Buffalo, NY 14207; 716-871-6555, 800-282-2732 or 716-871-6511 (fax)

MacObject
Object-oriented programming system
Macintosh Plus or larger; 2 MB of RAM.
$1,000 retail
Logic Programming Associates, Ltd.; Studio 4, The Royal Victoria Patriotic Bldg.; Trinity Rd.; London, England SW18 3SX; +44-81-871-2016, 800-949-7567 or +44-81-874-0449 (fax)

MacProlog
Applications development system with high-level ToolBox access
Macintosh Plus or larger; 1 MB of RAM.
$750 retail
Logic Programming Associates, Ltd.; Studio 4, The Royal Victoria Patriotic Bldg.; Trinity Rd.; London, England SW18 3SX; +44-81-871-2016, 800-949-7567 or +44-81-874-0449 (fax)

MacProlog Dialog Editor
Enables users to graphically develop interfaces for Macintosh applications
Macintosh Plus or larger; 1 MB of RAM.
$250 retail
Logic Programming Associates, Ltd.; Studio 4, The Royal Victoria Patriotic Bldg.; Trinity Rd.; London, England SW18 3SX; +44-81-871-2016, 800-949-7567 or +44-81-874-0449 (fax)

■ **MacProlog32**
Multiwindow development environment
Macintosh II or larger; 4 MB of RAM; System 7.0.
LPA MacProlog3 combines advanced AI programming techniques with the user-friendly interface and enhanced graphics of the Macintosh. MacProlog32 integrates a powerful Prolog compiler with the Macintosh philosophy of mice, menus, windows and graphics, and offers a rich and sophisticated programming environment, previously available only on expensive, dedicated workstations, combined with a compact, run-time delivery capability. MacProlog32 has been implemented completely in 32-bit assembler using the same engine as LPA Prolog for Windows. This guarantees a high degree of compatibility with both that product, Quitus Prolog on Unix and the emerging ISO and ANSI Standard. MacProlog32 has an attractive multiwindow development environment with graphical call-graph facilities and an optional run-time generator for producing double-clickable distributable applications; and interfaces to other programming languages, support for Apple Events and high-level ToolBox access for menus, windows, graphics and dialog creation.
$745 and up retail
Logic Programming Associates, Ltd.; Studio 4, The Royal Victoria Patriotic Bldg.; Trinity Rd.; London, England SW18 3SX; +44-81-871-2016, 800-949-7567 or +44-81-874-0449 (fax)

MacScheme
LISP programming
Macintosh Plus or larger; 1 MB of RAM.
$125 retail
Lightship Software, Inc.; PO Box 711; Dewey, AZ 86327; 602-632-7176

MacScheme+Toolsmith
LISP development system
Macintosh Plus or larger; 2 MB of RAM.
$495 retail
Lightship Software, Inc.; PO Box 711; Dewey, AZ 86327; 602-632-7176

MacSmarts 3.2
Expert system tool with Hypertext
Macintosh 512K or larger.
$195 retail
Cognition Technology Corp.; 1000 Massachusetts Ave.; Cambridge, MA 02138; 617-492-0246 or 617-492-0247 (fax)

MacSmarts Professional
Hypermedia-based expert system tool
Macintosh Plus or larger.
$495 retail
Cognition Technology Corp.; 1000 Massachusetts Ave.; Cambridge, MA 02138; 617-492-0246 or 617-492-0247 (fax)

Mahogany Connectivity Package
External functions to extend the power of Mahogany
Macintosh Plus or larger; Mahogany Professional.
$500 retail
Emerald Intelligence, Inc.; 3915-A1 Research Park Dr.; Ann Arbor, MI 48108; 313-663-8757 or 313-663-5284 (fax)

Mahogany Professional
Hybrid rule-based and object-oriented expert system development tool
Macintosh Plus or larger.
$495 retail
Emerald Intelligence, Inc.; 3915-A1 Research Park Dr.; Ann Arbor, MI 48108; 313-663-8757 or 313-663-5284 (fax)

Matlab Neural Network Toolbox
Neural network design and simulation
Macintosh with 68020 or 68030 processor/68881 or 68882 math coprocessor; 8 MB of RAM; Matlab.
Call for pricing; educational discounts available
The MathWorks, Inc.; 24 Prime Park Way; Natick, MA 01760; 508-653-1415 or 508-653-2997 (fax)

Moby Hyphenator II
Words with embedded hyphenation points in plain ASCII text
Macintosh 512K or larger.
$149 retail
Grady Ward; 3449 Martha Ct.; Arcata, CA 95521; 707-826-7715 (phone/fax)

Moby Part-Of-Speech II
Words and common phrases coded with their prioritized part-of-speech in English
Macintosh 512K or larger.
$299 retail
Grady Ward; 3449 Martha Ct.; Arcata, CA 95521; 707-826-7715 (phone/fax)

Moby Pronunciator II
Words and common phrases in English coded with their International Phonetic Alphabet equivalence
Macintosh 512K or larger.
$399 retail
Grady Ward; 3449 Martha Ct.; Arcata, CA 95521; 707-826-7715 (phone/fax)

Moby Thesaurus II
Contains root words, synonyms and related words and ideas
Macintosh 512K or larger.
$699 retail
Grady Ward; 3449 Martha Ct.; Arcata, CA 95521; 707-826-7715 (phone/fax)

Moby Words II
English words and phrases in plain ASCII text
Macintosh 512K or larger.
$149 retail
Grady Ward; 3449 Martha Ct.; Arcata, CA 95521; 707-826-7715 (phone/fax)

MPW C++ 3.2
Development environment
Macintosh Plus or larger (68020-, 68030- or 68040-based Mac recommended); 4 MB of RAM (8 MB recommended); hard disk drive; System 7 or later; MPW Development Environment 3.2 or later; MPW C 3.2.4 or later.
$175 retail
APDA — Apple Computer, Inc.; PO Box 319; Buffalo, NY 14207; 716-871-6555, 800-282-2732 or 716-871-6511 (fax)

NeuroSmarts
Simulates a neural network for automatic identification of patterns
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.
$995 retail
Cognition Technology Corp.; 1000 Massachusetts Ave.; Cambridge, MA 02138; 617-492-0246 or 617-492-0247 (fax)

NeuroSmarts Professional
Ultimate number cruncher for forecasting
Macintosh with 3 MB of RAM (16 MB recommended); math coprocessor; hard disk drive.
$4,995 retail
Cognition Technology Corp.; 1000 Massachusetts Ave.; Cambridge, MA 02138; 617-492-0246 or 617-492-0247 (fax)

Nexpert Object 3.0X
Expert system development tool
Macintosh SE or II.
$5,000 retail
Neuron Data, Inc.; 156 University Ave.; Palo Alto, CA 94301; 415-321-4488, 800-876-4900 or 415-321-3728 (fax)

Nextra
Knowledge acquisition and transfer tool for expert systems development
Macintosh II; 2 MB of RAM.
Call for pricing
Neuron Data, Inc.; 156 University Ave.; Palo Alto, CA 94301; 415-321-4488, 800-876-4900 or 415-321-3728 (fax)

NueX
Hybrid neural network/expert system environment
Macintosh Plus or larger; 4 MB of RAM; System 6.0 or later.
$195 retail
Charles River Analytics Inc.; 55 Wheeler St.; Cambridge, MA 02138; 617-491-3474 or 617-868-0780 (fax)

Optivolve
Genetic algorithm module for MacBrain
Macintosh Plus or larger.
$495 retail
Neurix; 456 Putnam Ave.; Cambridge, MA 02139; 617-577-1202 or 617-577-1264 (fax)

Scheme Express
Implementation of Lisp
Macintosh Plus or larger; 1 MB of RAM.
$69.95 retail
Lightship Software, Inc.; PO Box 711; Dewey, AZ 86327; 602-632-7176

Soliloquy
Continuous speech recognition software
Macintosh IIci or larger; System 6.0.5.
$1,000 per unit in quantity retail; licensed for customized turnkey applications (volume discounts available)
Emerson & Stern Associates, Inc.; 10150 Sorrento Valley Rd., Ste. 210; San Diego, CA 92121; 619-457-2526 or 619-457-1876 (fax)

ICONIX * INDUSTRIAL-STRENGTH * MULTI-USER *OBJECT-ORIENTED CASE TOOLS
* See listing under Programming Tools/CASE, or call (310) 458-0092.

Programming Tools/ Assembly Language

BootBug
Debugging tool
Macintosh II or Quadra family; 2 MB of RAM; second computer with a serial port for use as a terminal.
$450 retail
Brigent, Inc.; 684 Costigan Cir.; Milpitas, CA 95035; 408-255-4042 or 408-255-4043 (fax)

Crossbow
Text editor, cross-assembler and communications/ terminal emulator
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.
$295 retail
Onset Computer Corp.; PO Box 3450; 536 MacArthur Blvd.; Pocasset, MA 02559; 508-563-9000 or 508-563-9477 (fax)

MPW Assembler V3.2.3
Assembler
Macintosh with 68020 processor or larger; 4 MB of free RAM (8 MB recommended); hard disk drive; System 7 or later; MPW Development Environment 3.2.3.
$150 retail
APDA — Apple Computer, Inc.; PO Box 319; Buffalo, NY 14207; 716-871-6555, 800-282-2732 or 716-871-6511 (fax)

TMON Professional
Interactive, multiwindow monitor/debugger
Macintosh Plus or larger; System 6.0.4.
$249.95 retail
Icom Simulations, Inc.; 648 S. Wheeling Rd.; Wheeling, IL 60090; 708-520-4440 or 708-459-7456 (fax)

µASM
Integrated cross macro assembler, text editor and communications program
Macintosh Plus or larger; System 6.0 or later.
$199.95 retail
$39.95 to $74.95 retail; upgrades to registered users
Micro Dialects, Inc.; PO Box 190; Loveland, OH 45140; 513-271-9100 or 513-271-4922 (fax)

Programming Tools/Basic

3-D Graphics Library
Three-dimensional graphics routines
Macintosh Plus or larger; True Basic Language System.
$79.95 retail
True BASIC, Inc.; 12 Commerce Ave.; West Lebanon, NH 03784; 800-436-2111

Advanced String Library
String handling routines
Macintosh Plus or larger; True Basic Language System.
$79.95 retail
True BASIC, Inc.; 12 Commerce Ave.; West Lebanon, NH 03784; 800-436-2111

■ **CTB Interfaces For FutureBasic**
Gives developers easier access to the CTB
Any Macintosh; FutureBasic 1.0.2 or later.
CTB Interfaces for FutureBasic interfaces files and sample code that allow FutureBasic programmers to access the Communications Toolbox (CTB). This includes the Connection Manager, Terminal Manager and File Transfer Manager. The software is targeted at FutureBasic developers who wish to have easier access to the CTB.
$19.95 retail
Software Design; PO Box 65352; West Des Moines, IA 50265; 515-279-9650 (phone/fax)

Developer's Toolkit
Allows developers to access the computer's hardware, ROM, System software and Toolbox commands
Macintosh Plus or larger; True Basic Language System.
$79.95 retail
True BASIC, Inc.; 12 Commerce Ave.; West Lebanon, NH 03784; 800-436-2111

FutureBasic
Basic language compiler
Macintosh Plus or larger; 1 MB of free RAM; hard disk drive.
$299.95 retail
Zedcor, Inc.; 4500 E. Speedway, Ste. 22; Tucson, AZ 85712; 602-881-8101, 800-482-4567 or 602-881-1841 (fax)

Microsoft QuickBasic 1.0
Basic development environment
Macintosh Plus or larger; 800K double-sided disk drive; hard disk drive or two 800K double-sided disk drives recommended.
$99 retail
Microsoft Corp.; One Microsoft Way; Redmond, WA 98052-6399; 206-882-8080

Sorting & Searching Library
Subroutines for sorting arrays in a True Basic program
Macintosh Plus or larger; True Basic Language System.
$79.95 retail
True BASIC, Inc.; 12 Commerce Ave.; West Lebanon, NH 03784; 800-436-2111

True Basic 2.61, Language & Runtime Standard Edition
Structured Basic programming language
Macintosh Plus or larger.
$19.95 retail; True Basic Student Edition
$99.95 retail; True Basic Standard Edition
$79.95 each retail; supplemental tool kits
True BASIC, Inc.; 12 Commerce Ave.; West Lebanon, NH 03784; 800-436-2111

True Basic 4.03, Language & Runtime Professional Version
Structured Basic programming language
Macintosh Plus or larger; System 6.0.4 or later.
$495 retail
True BASIC, Inc.; 12 Commerce Ave.; West Lebanon, NH 03784; 800-436-2111

VIP-Basic
Visual interactive programming in Basic
Macintosh Plus or larger; System 6.0 or later.
$295 retail
Mainstay; 591-A Constitution Ave.; Camarillo, CA 93012; 805-484-9400 or 805-484-9428 (fax)

Programming Tools/C

Absoft C/C++ Development Tool Kit For Macintosh PowerPC
Includes everything needed to edit, compile, link and debug native Macintosh PowerPC applications
Macintosh PowerPC.
$399 retail
Absoft Corp.; 2781 Bond St.; Rochester Hills, MI 48309; 810-853-0050 or 810-853-0108 (fax)

C Programmer's Toolbox/MPW
Tools that enhance programmer productivity
Any Macintosh; MPW 3.0 or later.
$295 retail
MMC AD Systems; PO Box 360845; Milpitas, CA 95036; 510-770-0858 or 510-770-0116 (fax)

c-tree Plus
Provides portable B+ tree functions for multikey ISAM file management in C
Macintosh Plus or larger; 5 MB of hard disk space; C compiler.
$595 U.S. retail
FairCom Corp.; 4006 W. Broadway; Columbia, MO 65203; 314-445-6833, 800-234-8180 or 314-445-9698 (fax)

CAD/CAM Developer's Kit
Libraries of C functions that give users the tools needed to create CAD features in their programs
Macintosh Plus or larger.
Call for pricing
Building Block Software, Inc.; 77 Pearson Rd.; Somerville, MA 02144; 617-628-5217 or 617-628-6333 (fax)

Candela ColorCircuit Transform Library (CCTL)
Color implementation tools
Macintosh II or Quadra family.
$750 retail
Candela, Ltd.; 1676 E. Cliff Rd.; Burnsville, MN 55337; 612-894-8890 or 612-894-8840 (fax)

CMaster 2.0
Think C enhancement
Macintosh Plus or larger; Think C 5/6/7 or Symantec C++ for Macintosh; System 7.0.
$129.95 direct
Jersey Scientific; 291 Springfield Ave., Ste. 201; Berkeley Heights, NJ 07922; 212-736-0406 or 908-464-3458 (fax)

Codecheck V5.0
Analyzes C and C++ source code for portability, maintainability and style
Macintosh Plus or larger; 1 MB of RAM; MPW.
$495 retail; professional version
Abraxas Software, Inc.; 5530 SW Kelly Ave.; Portland, OR 97201; 503-244-5253 or 503-244-8375 (fax)

D-C++
Optimizing C++ compiler
Macintosh II.
$2,200 to $4,850 retail
Diab Data, Inc.; 323 Vintage Park Dr.; Foster City, CA 94404; 415-571-1700 or 415-571-9068 (fax)

D-CC
Optimizing C compiler
Macintosh II.
$1,300 to $4,400 retail
Diab Data, Inc.; 323 Vintage Park Dr.; Foster City, CA 94404; 415-571-1700 or 415-571-9068 (fax)

MacDSP32CC-MPW
C compiler for the floating point processor on the MacDSP processor cards
Macintosh SE/30 or II family; 1 MB of RAM.
$1,500 retail
Spectral Innovations, Inc.; 1885 Lundy Ave., Ste. 208; San Jose, CA 95131; 408-955-0366 or 408-955-0370 (fax)

McCLint
C source-code semantic checking system (lint)
Macintosh with 1 MB of RAM; hard disk drive; System 5.2 or later.
$149.95 retail
MMC AD Systems; PO Box 360845; Milpitas, CA 95036; 510-770-0858 or 510-770-0116 (fax)

McCPrint
C/C++ source code beautifier/reformatter (pretty printer)
Any Macintosh.
$99.95 retail
MMC AD Systems; PO Box 360845; Milpitas, CA 95036; 510-770-0858 or 510-770-0116 (fax)

MPW C 3.2.4
Development environment
Macintosh with 68020 processor or larger; 4 MB of free RAM (8 MB recommended); hard disk drive; System 7 or later; MPW Development Environment 3.2.3.
$150 retail
APDA — Apple Computer, Inc.; PO Box 319; Buffalo, NY 14207; 716-871-6555, 800-282-2732 or 716-871-6511 (fax)

Object Master For Think C And C++
Integrated programming environment for Think C and C++
Macintosh Plus or larger; 2 MB of RAM; hard disk drive with 2 MB of free space; System 6.0.5 or later.

■ ICONIX * INDUSTRIAL-STRENGTH * MULTI-USER *OBJECT-ORIENTED CASE TOOLS
* See listing under Programming Tools/CASE, or call (310) 458-0092.

$255 retail
ACI US Inc.; 20883 Stevens Creek Blvd.; Cupertino, CA 95014; 408-252-4444, 800-384-0010 or 408-252-0831 (fax)

PlaySound.lib
Digitized sound library
Macintosh Plus or larger; 800K floppy disk drive; System 6.0.3 or later; Think C 5.0 or later.
$39 retail
Hologlyph, Inc.; PO Box 1305; Arvada, CO 80001; 303-422-9082, 800-283-9082 or 303-422-4366 (fax)

r-tree Report Generator
Report generator for applications using c-tree Plus
Macintosh Plus or larger; 2 MB of hard disk space; C compiler; c-tree Plus.
$295 U.S. retail
FairCom Corp.; 4006 W. Broadway; Columbia, MO 65203; 314-445-6833, 800-234-8180 or 314-445-9698 (fax)

StoneTable And StoneTableExtra
Library that replaces all functions found in List Manager
Macintosh Plus or larger; System 6.0 or later.
$150 retail; StoneTable
$200 retail; any two compilers
$250 retail; any three compilers
$300 retail; all four compilers
$50 retail; StoneTableExtra
$75 retail; any two compilers
$100 retail; any three compilers
$150 retail; all four compilers
StoneTablet Publishing; PO Box 12665; Portland, OR 97212; 503-287-3424

Think C V5.0
Professional C development environment
Macintosh Plus or larger; 1 MB of RAM (2 MB recommended); Debugger requires 2 MB and MultiFinder; System 6.0 or later.
$299 retail
Symantec Corp.; 10201 Torre Ave.; Cupertino, CA 95014; 800-441-7234 or 800-626-8847 in CA

Tools Plus
User interface and event handling libraries for Think C/C++ and Think Pascal
Macintosh Plus or larger; System 5.0 or later (compatible with System 5,6, and 7).
$149 retail; C or Pascal
$199 retail; both
Water's Edge Software; PO Box 70022; 2441 Lakeshore Rd. W; Oakville, Ontario, Canada L6L 6M9; 416-219-5628

Transputer C Compiler And Assembler
C compiler
Macintosh II, Centris, Performa or Quadra; Pacific Parallel Pac8 or Pac2.
$595 retail
Pacific Parallel Research, Inc.; 922 Grange Hall Rd.; Cardiff by the Sea, CA 92007; 619-436-1455 (phone/fax)

VIP-C
Integrated ANSI C programming environment
Macintosh Plus or larger; 4 MB of RAM; System 6.0 or later.
$495 retail
Mainstay; 591-A Constitution Ave.; Camarillo, CA 93012; 805-484-9400 or 805-484-9428 (fax)

Programming Tools/Cobol

Acucobol-85 2.0
Cobol compiler
Macintosh SE/30 or II family with PMMU; 4 MB of RAM; hard disk drive; A/UX 2.0.
Call for pricing
Acucobol, Inc.; 7950 Silverton Ave., Ste. 201; San Diego, CA 92126; 619-689-7220, 800-262-6585 or 619-566-3071 (fax)

AcuView
Integrated graphics package for Cobol
Macintosh SE/30 or II family with PMMU; 4 MB of RAM; hard disk drive; A/UX 2.0; Acucobol-85.
Call for pricing
Acucobol, Inc.; 7950 Silverton Ave., Ste. 201; San Diego, CA 92126; 619-689-7220, 800-262-6585 or 619-566-3071 (fax)

Programming Tools/Computer-Aided Software Engineering (CASE)

5PM Pro
GUI development environment
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
5PM Pro is a powerful GUI development environment allowing users to create graphical front ends for terminal emulation-based host applications, as well as SQL-based client/server applications. 5PM Pro offers 5Talk, ASC's proprietary HyperTalk-like scripting language with full support for HyperCard XCMDs and XFCNs. The end user is given the ability to create palettes with graphical objects (i.e., buttons, icons, radio buttons, etc.). 5PM Pro allows users to integrate Legacy systems and client/server applications into one GUI desktop metaphor. 5PM Pro allows users to create a GUI interface that can be executed by ASC's 5PM Term terminal emulation product, which ships in different emulation modes, including: IBM-3270, IBM-3270TN, IBM-5250, IBM-5250TN, DEC-VT420, as well as Unisys, Bull and Honeywell connectivity.
$3,895 retail
ASC; 10601 S. De Anza Blvd., Ste. 105; Cupertino, CA 95014; 408-725-4242 or 408-725-4243 (fax)
FAX©NDEMAND 1-800-872-3293 **140 & 141**

Aide-de-Camp
Configuration management system
Macintosh II; A/UX.
Call for pricing
Software Maintenance and Development Systems, Inc.; 200 Baker Ave.; Concord, MA 01742; 508-369-7398 or 508-369-8272 (fax)

AppMaker 1.5
Speeds development of Macintosh applications
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.
$299 retail
Bowers Development Corp.; 97 Lowell Rd.; Concord, MA 01742; 508-369-8175 or 508-369-8224 (fax)

ArchiText
Language-driven document constructor
Macintosh II; 8 MB of RAM; 50 MB hard disk drive; A/UX.
$495 retail
Interactive Software Engineering, Inc.; 270 Storke Rd., Ste. 7; Goleta, CA 93117; 805-685-1006 or 805-685-6869 (fax)

Aspect 2.0
Cross-platform GUI development system
Macintosh Plus or larger; System 6.0 or later.
$1,495 retail
Open Inc.; 660 Southpointe Ct., Ste. 200; Colorado Springs, CO 80906; 719-527-9700 or 719-576-3835 (fax)

Aut2
CASE tool
Macintosh Plus or larger; 1 MB of RAM (2 MB recommended); hard disk drive; laser printer.
$5,000 retail; discounts and site licenses available
Model Systems Consultants, Inc.; 721 Park Ave.; Bainbridge Island, WA 98110; 206-842-1158

■ **C/S Elements**
Object-oriented, cross-platform development tool
Macintosh Plus or larger; System 6.0.4 or later.
A superset of Open Interface Elements, C/S Elements is an object-oriented, cross-platform development tool composed of GUI development and extensible script language facilities. It provides transparent access to any flat-file or relational database, enabling developers to mix and match data from Oracle, Sybase, Informix and ODBC-compliant databases. C/S Elements allows building enterprise-wide client/server applications that are portable on more than 40 platforms. Features include: data source-independent, extensible API; full support for ANSI SQL; point-and-click data viewing facility; Data Link Editor; and internationalization (substitution of specific resource files into French, German, Italian, Spanish, Kanji/Japanese and Hangul/Korean.
$7,000 retail; no run-time fees
Neuron Data, Inc.; 156 University Ave.; Palo Alto, CA 94301; 415-321-4488, 800-876-4900 or 415-321-3728 (fax)

CASE Essence
Explains the principles of Information Engineering
Macintosh Classic or larger; 3.5 MB of hard disk space; System 6.0.7 or later.
$4,945 retail; volume discounts available
AGPW, Inc.; PO Box 11784; St. Louis, MO 63105; 314-721-4884, 800-795-7953 or 314-721-2479 (fax)

■ **DeeMaker Tool Suite 1.4**
Premiere human interface development tool that provides a cost-effective way to quickly create screens of any complexity
Macintosh Plus or larger, including Power Macintosh; System 6.0 or later.
DeeMaker is a GUI Development Tool that covers both the design and implementation aspects of GUI software development. A short learning curve and advanced software engineering model transform GUI development into an effortless and straightforward activity. Users can design all windows types with state-of-the-art look and feel. All aspects of the tool are reusable. It works in any environment and is bundled with DeeAPP, example application frame work, in C++.
$199 retail; educational
$399 retail; individual
$899 retail; corporation site distribution
$1,399 retail; commercial distribution
nDimensions Software House; 7000 Soquel Dr., Ste. 403; Aptos, CA 95003; 408-662-1037

Deft Designer
CASE tool for building requirement specifications, analyzing user needs and producing general and detailed information system designs
Macintosh with 2.5 MB of RAM; hard disk drive with 3 MB of free space; System 6.0.3 or later.
Call for pricing
Sybase, Inc.; 6475 Christie Ave.; Emeryville, CA 94608; 800-879-2273 or 510-658-9441 (fax)

Deft Professional
CASE tool for managing systems throughout the software life cycle
Macintosh with 2.5 MB of RAM; hard disk drive with 3 MB of free space; System 6.0.3 or later.
Call for pricing
Sybase, Inc.; 6475 Christie Ave.; Emeryville, CA 94608; 800-879-2273 or 510-658-9441 (fax)

Design/IDEF
Graphics-based automation tool that supports IDEF process, data and behavioral modeling uses in business process redesign, CIM, telecommunications, CASE and enterprise modeling
Macintosh Plus or larger; 2 MB of RAM; ImageWriter or LaserWriter.
$3,995 retail
Meta Software Corp.; 125 CambridgePark Dr.; Cambridge, MA 02140; 617-576-6920, 800-227-4106 or 617-661-2008 (fax)

Foundation Translator
Gateway between Foundation Vista and the Tandem environment
Macintosh Plus or larger; 1 MB of RAM; Tandem computer.
Call for pricing
Menlo Business Systems, Inc.; 201 Main St.; Los Altos, CA 94022; 415-948-7920 or 415-949-6655 (fax)

ICONIX
* INDUSTRIAL-STRENGTH * MULTI-USER *OBJECT-ORIENTED CASE TOOLS
* See listing under Programming Tools/CASE, or call (310) 458-0092.

Foundation Vista
SQL-oriented CASE tool; automates structured design methodologies
Macintosh Plus or larger; 1 MB of RAM.
Call for pricing
Menlo Business Systems, Inc.; 201 Main St.; Los Altos, CA 94022; 415-948-7920 or 415-949-6655 (fax)

■ **ICONIX Object-Oriented Starter Kit**
Introduces developers to the world of Objects
Macintosh II or larger; CD-ROM drive.
The ICONIX O-O Starter Kit provides developers with a low-cost, low-risk way of getting their "feet wet" in the world of Objects. The kit provides everything developers need to get started in Object-Oriented software engineering, providing exposure to multiple methodologies so developers can pick the ones that are right for them. It includes: ICONIX's state-of-the-art training tool, a CD-ROM entitled "Overview of O-O Analysis and Design Methods," the industrial-strength object-oriented analysis and design capabilities of ObjectModeler and FastTask and one-year maintenance.
$3,495 retail
ICONIX Software Engineering, Inc.; 2800 28th St., Ste. 320; Santa Monica, CA 90405; 310-458-0092 or 310-396-3454 (fax)

ICONIX PowerTools
Software productivity improvement
Macintosh II or larger; Unix.
ICONIX PowerTools is an integrated industrial strength CASE tool set designed to span the software life cycle. It consists of 10 software packages: ObjectModeler, FreeFlow, FastTask, DataModeler, AdaFlow, QuickChart, SmartChart, PowerPDL, ASCII Bridge and CoCoPro, which can operate independently or as part of the fully integrated PowerTools CASE suite. All modules are network/multiuser compatible.
ObjectModeler supports object-oriented requirements analysis (OOA), object-oriented design (OOD) and object-oriented programming (OOP). Leveled diagram editors support the notations of Rumbaugh, Coad/Yourdon, Booch and Jacobsen for OOA and OOD; language-sensitive editors support OOP in C++, Program Design Language (PDL) and other languages. All are fully integrated with the multiuser, multimethod PowerTools dictionary that is provided.
FreeFlow supports structured, real-time and several object-oriented analysis techniques with DeMarco-style leveled sets of data flow diagrams, minispecs, PowerTools dictionary, Integrated Requirements Traceability (IRT), various rules checks and extensive reporting.
FastTask provides support for Jacobsen Interaction Diagrams, as well as for real-time (Ward/Mellor or Hatley) and object-oriented development by mapping time dependent behavior with leveled sets of state transition diagrams that can be transformed instantly to a variety of matrix/tabular equivalents. Graphical and language-sensitive editors are fully integrated with the PowerTools dictionary.
DataModeler supports logical and physical database design and the object-oriented methods of Shlaer/Mellor and Smith/Tockey. It allows a user to create entity-relationship diagrams in the notations of Chen, Martin and IDEF1X. These graphical editors are integrated with the PowerTools dictionary and language-sensitive editors for Cobol, SQL, etc.
QuickChart supports the Yourdon/Constantine method of structured design using a graphical editor for structure charts, PowerTools dictionary and language sensitive editors. Structure charts show the partitioning of software into modules, the hierarchy and organization of those modules and the communication interfaces between them.
SmartChart integrates design and coding by combining language-sensitive editing with automatic structure chart generation. At this stage, an engineer refines pseudocode and generates structure charts from the information produced by the PDL processor. Source code is also created by selecting templates for several languages.
PowerPDL generates formatted documentation from a PDL file. Listings include table of contents, design body, data cross-reference list, subprogram cross-reference list and subprogram nesting tree.
ASCII Bridge supports import and export of PowerTools files to and from the Mac environment. The tool supports the CASE Data Interchange Format (CDIF) standard for data interchange with tools of other vendors.
AdaFlow combines Buhr/Booch diagram editing with dictionary and Ada language-sensitive editing. AdaFlow uses the PowerTools dictionary produced in requirements analysis, so all analysis objects and their definitions are readily available during design. Ada code can be added by "exploding" a graphic object from a diagram into a code window and using the Ada language-sensitive editor.
CoCoPro implements the Constructive Cost Model (CoCoMo) technique for estimating costs of software projects and allows automatic calibration of the model to a cost history database.
$1,495 each retail
$5,995 to $7,995 retail; for PowerTools bundled sets (PowerPacks)
ICONIX Software Engineering, Inc.; 2800 28th St., Ste. 320; Santa Monica, CA 90405; 310-458-0092 or 310-396-3454 (fax)

ISE Eiffel 3
Object-oriented software development environment and toolset
Macintosh II; 8 MB of RAM; A/UX (MacOS in 3rd quarter of 1994).
$995 to $1,995 retail
Interactive Software Engineering, Inc.; 270 Storke Rd., Ste. 7; Goleta, CA 93117; 805-685-1006 or 805-685-6869 (fax)

MacAnalyst 4.2
CASE tool for system analysis and software design
Macintosh with 6 MB of RAM; external disk drive or hard disk drive.
$995 retail; MacAnalyst 4.1 (includes DFD, ERD, OOA and prototyping options)
$1,595 retail; MacAnalyst/Expert 4.1 (includes MacAnalyst options, plus real-time and requirements database)
Excel Software; PO Box 1414; Marshalltown, IA 50158; 515-752-5359 or 515-752-2435 (fax)

MacDesigner 4.2
Tool for structured design, object-oriented design and multitask design; requirement database, data dictionary
Macintosh with 6 MB of RAM; external disk drive or hard disk drive.
$995 retail; MacDesigner 4.1 (includes structured and object-oriented design)
$1,595 retail; MacDesigner/Expert 4.1 (includes MacDesigner, plus task diagrams and requirements database)
Excel Software; PO Box 1414; Marshalltown, IA 50158; 515-752-5359 or 515-752-2435 (fax)

MacStile
System design and schematic diagramming tool
Macintosh Plus or larger; 1 MB of RAM; hard disk drive recommended; System 4.2 or later.
$199 retail
Software Originals, Inc.; 7015 Perry Pl.; Worthington, OH 43085; 419-885-8747, 800-873-6873 or 419-885-7354 (fax)

■ **MacSys Error Logger**
Provides a central depository for logging, monitoring and archiving error reports during the project development cycle
Macintosh SE or larger; 4 MB of RAM; 40 MB hard disk drive.
The MacSys Error Logger is a client-server tool that provides a central depository for logging, monitoring and archiving error reports during the various phases of a project development cycle. Error Logger will track multiple projects and sub-projects simultaneously and provide reporting based on any project criteria. Unlike larger, unmanageable CASE tools, the MacSys Error Logger is easy to use, effective and inexpensive for project managers who are managing multideveloper software projects.
$129 retail; without runtime
MacSys Inc.; 362 Terry Fox Dr., Ste. 200; Kanata, Ontario, Canada K2K 2P5; 613-591-9200 or 613-591-8089 (fax)

MetaDesign
Powerful, smart diagramming tool for designing complex system models
Macintosh Plus or larger; 1 MB of RAM; ImageWriter or LaserWriter.
$199 retail
Meta Software Corp.; 125 CambridgePark Dr.; Cambridge, MA 02140; 617-576-6920, 800-227-4106 or 617-661-2008 (fax)

Neuron Open Interface Elements
Object-oriented, extensible development tool
Macintosh SE or II.
$5,000 retail
Neuron Data, Inc.; 156 University Ave.; Palo Alto, CA 94301; 415-321-4488, 800-876-4900 or 415-321-3728 (fax)

QASE RT
CASE tool
Macintosh Classic or larger; 2 MB of RAM; hard disk drive; 13-inch or larger monitor recommended.
$14,500 retail
Advanced System Technologies, Inc.; 12200 E. Briarwood Ave., Ste. 260; Englewood, CO 80112; 303-790-4242, ext. 124 or 303-790-2816 (fax)

Silverrun-DFD 2.2
CASE tool for designing data flow diagrams
Macintosh II; 4 MB of RAM.
$2,500 retail; multiple copy discounts are available
Computer Systems Advisers, Inc.; 50 Tice Blvd.; Woodcliff Lake, NJ 07675; 201-391-6500, 800-537-4262 or 201-391-2210 (fax)

Silverrun-ERX 2.1.1
Rule-based CASE tool for designing entity-relation data models
Macintosh II; 4 MB of RAM.
$2,500 retail; multiple copy discounts are available
Computer Systems Advisers, Inc.; 50 Tice Blvd.; Woodcliff Lake, NJ 07675; 201-391-6500, 800-537-4262 or 201-391-2210 (fax)

Silverrun-RDM 2.3
Helps database administrators produce relational data models
Macintosh II; 4 MB of RAM.
$3,000 retail; multiple copy discounts are available
Computer Systems Advisers, Inc.; 50 Tice Blvd.; Woodcliff Lake, NJ 07675; 201-391-6500, 800-537-4262 or 201-391-2210 (fax)

Silverrun-WRM 2.1.1
CASE tool for work group environment
Macintosh II; 4 MB of RAM.
$2,500 retail; multiple copy discounts are available
Computer Systems Advisers, Inc.; 50 Tice Blvd.; Woodcliff Lake, NJ 07675; 201-391-6500, 800-537-4262 or 201-391-2210 (fax)

■ **Smart Elements**
Cross-platform application development environment
Macintosh Plus or larger; System 6.0.7 or later.
Smart Elements is a cross-platform application development environment that combines object-oriented structures and business rules capability of Nexpert Object with the GUI design and script facilities of Open Interface Elements. Smart Element's object modules and message-passing capabilities enable developers to build modular, encapsulated code for better reusability. Its rules capability helps to efficiently represent complex logic and business rules. Smart Elements offers direct access to any database or source. The GUI design module allows users to build graphical font ends to rule-based applications that are portable on more than 40 platforms. The extensible script allows linking interface objects to application logic without programming and provides dynamic compilation for superior performance over interpreted languages. As a result, it delivers 3GL-level performance combined with 4GL-level productivity benefits.
$9,850 starting price retail; no run-time fees
Neuron Data, Inc.; 156 University Ave.; Palo Alto, CA 94301; 415-321-4488, 800-876-4900 or 415-321-3728 (fax)

■ ICONIX * INDUSTRIAL-STRENGTH * MULTI-USER *OBJECT-ORIENTED CASE TOOLS
* See listing under Programming Tools/CASE, or call (310) 458-0092.

TurboCASE 4.2
Integrated, multiwindow, front-end CASE tool that supports multiple methodologies
Macintosh SE or larger; 2 MB of RAM; hard disk drive.
$995 retail; quantity discounts available
StructSoft, Inc.; 5416 156th Ave. SE; Bellevue, WA 98006; 206-644-9834 or 206-644-7714 (fax)

TurboCASE/Sys 2.0
Complete CASE support for system engineering
Macintosh SE or larger; 2 MB of RAM; hard disk drive.
$2,995 retail
StructSoft, Inc.; 5416 156th Ave. SE; Bellevue, WA 98006; 206-644-9834 or 206-644-7714 (fax)

The XVT Portability Toolkit
Allows development of applications that port between Macintosh, MS-Windows, Windows NT, OS/2 PM, X Windows and character displays on DOS, Unix or VMS
Macintosh 512KE or larger.
Call for pricing
XVT Software Inc.; 4900 Pearl East Cir.; Boulder, CO 80301; 303-443-4223, 800-678-7988 or 303-443-0969 (fax)

Programming Tools/ Database Management

4D LabelTools II
Prints labels
Macintosh Plus or larger; 4th Dimension V2.1.1; CoStar LabelWriter II or Avery Personal Label printer; System 6.0.3 or later.
$79.95 retail
E.E.S. Companies, Inc.; 2 Vernon St., Ste. 404; Framingham, MA 01701; 508-653-6911 or 508-650-1872 (fax)

4D Tool/Kit
Database application shell
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.5 or later.
$295 retail
Options Computer Consulting; 228 Bleecker St., Ste. 19; New York, NY 10014; 212-645-3577, 800-736-3577 or 212-633-0336 (fax)

Acu4GL
Translates Cobol statements into SQL
Macintosh SE/30 or II family with PMMU; 4 MB of RAM; hard disk drive; A/UX 2.0; Acucobol-85.
Call for pricing
Acucobol, Inc.; 7950 Silverton Ave., Ste. 201; San Diego, CA 92126; 619-689-7220, 800-262-6585 or 619-566-3071 (fax)

B-Tree Helper
Set of functions to insert, find and delete records from a B-Tree file
Macintosh Plus or larger; Think C or Pascal.
$150 retail; specify C or Pascal
(M)agreeable Software, Inc.; 5925 Magnolia Ln.; Plymouth, MN 55442; 612-559-1108

CI-Link
Allows Macintoshes to access a remote SQL database
Macintosh II family; A/UX 2.0 or later.
$2,500 to $8,500 U.S. retail
ASC; 10601 S. De Anza Blvd., Ste. 105; Cupertino, CA 95014; 408-725-4242 or 408-725-4243 (fax)

commstalk for 4h Dimension
Front-ending tool for re-engineering legacy applications
Macintosh Plus or larger; 4th Dimension 2.1 or later; System 6.0.5 or later.
$295 retail; developer kit
$95 retail; run-time kit
Full Moon Software, Inc.; PO Box 700237; San Jose, CA 95170; 408-253-7199 or 408-252-2378 (fax)

Credit Card Tools
External procedure for 4th Dimension
Macintosh Plus or larger; Hayes or Hayes-compatible 300/1,200 baud modem.
Call for pricing
E.E.S. Companies, Inc.; 2 Vernon St., Ste. 404; Framingham, MA 01701; 508-653-6911 or 508-650-1872 (fax)

Easy4D
4th Dimension programming environment
Macintosh Plus or larger.
Free; available on CompuServe, America Online, AppleLink and the Internet
$49.95 retail; documentation
Natural Intelligence, Inc.; 2067 Massachusetts Ave.; Cambridge, MA 02140; 800-999-4649 or 617-492-7425 (fax)

Empress 4GL
Fourth generation development environment
Macintosh II; 2 MB of RAM; 9 MB of disk space; A/UX.
Call for pricing
Empress Software, Inc.; 6401 Golden Triangle Dr.; Greenbelt, MD 20770; 301-220-1919 or 301-220-1997 (fax)

FairCom Apple A/UX SQL Server
Server
Macintosh with 5 MB of RAM; 5 MB of free hard disk space; C compiler.
$445 to $3795 retail; depends on number of users
FairCom Corp.; 4006 W. Broadway; Columbia, MO 65203; 314-445-6833, 800-234-8180 or 314-445-9698 (fax)

FairCom System 7 Server
Server
Macintosh with 4 MB of RAM; 5 MB of free hard disk space; C compiler.
$295 to 2,495 retail; depends on number of users
FairCom Corp.; 4006 W. Broadway; Columbia, MO 65203; 314-445-6833, 800-234-8180 or 314-445-9698 (fax)

■ **FileFlex**
Relational database engine
Macintosh Plus or larger; 1 MB of RAM; System 7.0 or later.
FileFlex provides users with the ability to embed a complete relational database engine within projects. FileFlex works with Macromedia Director, Authorware Professional, HyperCard, SuperCard, MicroPhone, Frontier — any XCMD-compatible environment. FileFlex is fully XBase compatible. FileFlex and FoxPro can directly exchange files without conversion. FileFlex requires only 100K of RAM — allowing developers to add relational database capabilities to projects at virtually no cost in system resources. FileFlex ships with an Online Guide in addition to two printed manuals. The guide contains detailed information on using FileFlex with FoxPro, Director, Authorware and other tools. The guide is fully searchable and printable.
$195 retail
Component Software; PO Box 201; Rocky Hill, NJ 08553; 609-497-4501, 800-633-4253 or 609-497-4008 (fax)

■ **FileStatz For FileMaker Pro**
Analyzes and reviews databases
Macintosh SE or larger; 8 MB of RAM; System 7.0 or later; hard disk drive.
FileStatz is a stand-alone utility that lets users document any FileMaker Pro database automatically. FileStatz assists consultants, developers and analysts in getting a more complete and indepth look at any database file that is included in the FileMaker Pro application through detailed printouts. It lists all of the calculations that a field is used in, including other calculation fields. It lists which fields are in each layout and shows all scripts in a file, in the order they appear on the menu, instead of in their "Creation" order. FileStatz lets users analyze database structures before they begin modifications or enhancements. Users may view all fields, scripts or view one layout at a time. Users may sort field names by creation order, field name or descending field name before printing. Users can print a "Quik" field list, script list, layout list or print or export a "Full Report" detailing fields, layouts, calculations and more. FileStatz also includes AppleScript 1.1.
$39 retail
Working Solutionz Software; 2191 Rosecrans St.; Simi Valley, CA 93065; 805-522-2170 or 805-527-7787 (fax)

FlexWare Development System
4th generation database language to create high-end multiuser applications
Macintosh Plus or larger; 4 MB of RAM (6 MB for System 7); hard disk drive with 47 MB or more of free space; multiuser requires AppleTalk or EtherTalk and networking software, such a AppleShare or FlexShare (client server); FlexShare and/or AppleShare require dedicated Macintosh.
$3,750 retail
Manzanita Software; 2130 Professional Dr., Ste. 150; Roseville, CA 95661; 916-781-3880, 800-447-5700 or 916-781-3814 (fax)

HOPS (Heuristic Optimized Processing System)
Speeds up indexing, sorting and algebra operations in relational databases
Macintosh with 5 MB of RAM; appropriate storage.
Price varies upon complexity of task and assistance required
HOPS International, Inc.; 800 West Ave.; Miami Beach, FL 33139; 305-672-2361 or 305-538-8044 (fax)

HyBase V3.0
Database programming environment
Macintosh SE or larger; 2 MB of RAM.
$450 retail; single user
$2,000 and up retail; network version
Answer Software Corp.; 20045 Stevens Creek Blvd.; Cupertino, CA 95014; 408-253-7515 or 408-253-8430 (fax)

IDB Introductory Package
Provides an in-depth introduction to the IDB Object Database
Macintosh Plus or larger; 2 MB of RAM; System 7.0 or later.
$99 retail
Persistent Data Systems, Inc.; PO Box 38415; Pittsburgh, PA 15238; 412-963-1843 or 412-963-1846 (fax)

IDB Object Database
High-performance distributed object database
Macintosh Plus or larger; 4 MB of RAM; Think C 6.0 or later or MPW 3.2; System 7.0 or later.
$995 retail
Persistent Data Systems, Inc.; PO Box 38415; Pittsburgh, PA 15238; 412-963-1843 or 412-963-1846 (fax)

ImageTracker Externals For 4th Dimension
Image and document cataloguing system for managing graphics files with 4th Dimension
Macintosh Plus or larger; System 7.0 or later.
$199 retail; single-user license
Edo Communications, Inc.; 168 Neponset St., Ste. 3; Canton, MA 02021; 617-821-6324

ImageTracker Pro For 4th Dimension
Image and document cataloging system for developing visual databases, managing graphics files, QuickTime movies and Photo CDs with 4th Dimension
Macintosh Plus or larger; System 7.0 or later; QuickTime 1.0 or later.
$295 retail; single-user license
$100 per station retail; multiuser
Edo Communications, Inc.; 168 Neponset St., Ste. 3; Canton, MA 02021; 617-821-6324

■ **Informix-ESQL/C**
Allows developers to access highly-efficient SQL database capabilities
Any Macintosh; Unix operating system.
Informix-embedded SQL (ESQL) allows users to access highly-efficient SQL database capabilities, including high-level data definition and manipulation commands and SQL query optimization facilities. Informix-ESQL conforms to the ANSI SQL standard, so users don't have to learn different data access methods when accessing data from Informix database servers, as well as other database servers, such as IBM's DB2 and OS/400.
$300 retail; per user

ICONIX
* INDUSTRIAL-STRENGTH * MULTI-USER *OBJECT-ORIENTED CASE TOOLS
* See listing under Programming Tools/CASE, or call (310) 458-0092.

Informix Software, Inc.; 4100 Bohannon Dr.; Menlo Park, CA 94025; 800-331-1763

Inside Out II
Multiuser relational database engine for programmers of conventional Pascal or C development systems
Macintosh Plus or larger; 1 MB of RAM; hard disk drive recommended; System 6.0.2 or later.
$595 retail; single user
$795 retail; multiuser
Sierra Software Innovations; 923 Tahoe Blvd., Ste. 102; Incline Village, NV 89451; 702-832-0300, 800-621-0631 or 702-832-7753 (fax)

■ **M.A.T.I.S.S.E.**
Database management system
Macintosh with 68020 processor or larger; 8 MB of RAM; MPW Shell 3.3.1, MPW C Compiler 3.3.1, MacTCP 1.1.1 or later; System 7.1 or later.
M.A.T.I.S.S.E. is a new generation database management system that combines advanced object-oriented modeling capabilities with a mission critical transaction technology. It is designed to meet the needs of complex database applications that require any or all of the following: large volumes of complex, inter-related, multityped information, fault tolerance, ensured data consistency and integrity, high-speed OLTP access, high throughput and optimal performance, historical object management and intelligent modeling of constraints. M.A.T.I.S.S.E. complies with the traditional paradigm, where the database management system is the foundation of the information system, providing common and concurrent data storage and retrieval capabilities to multiple applications. M.A.T.I.S.S.E. supports heterogeneous client-server architectures. All its functionalities can be used regardless of the development environment used to build the applications, whether it is object oriented or not.
Call for pricing
ADB, Inc.; 238 Broadway; Cambridge, MA 02139; 617-354-4220 or 617-547-5420 (fax)

MacDBI For Oracle
Provides a tight coupling between the MacProlog environment and the Oracle relational database system
Macintosh Plus or larger; 2 MB of RAM.
$500 and up retail
Logic Programming Associates, Ltd.; Studio 4, The Royal Victoria Patriotic Bldg.; Trinity Rd.; London, England SW18 3SX; +44-81-871-2016, 800-949-7567 or +44-81-874-0449 (fax)

Omnis Cookbook
Allows developers to build a library of procedures, window items and report items
Macintosh Plus or larger; Omnis 5 or 7.
$100 retail
Ray Sauers Associates, Inc.; 1187 Main Ave., Ste. 1B; Clifton, NJ 07011; 201-478-1970 or 201-478-1513 (fax)

Omnis Tips & Techniques
Tutorial
Macintosh Plus or larger; Omnis 5 or 7.
$150 retail
Ray Sauers Associates, Inc.; 1187 Main Ave., Ste. 1B; Clifton, NJ 07011; 201-478-1970 or 201-478-1513 (fax)

Omnis Tips & Techniques Magazine
Disk-based magazine
Macintosh Plus or larger; Omnis 5 or 7.
$150 retail
Ray Sauers Associates, Inc.; 1187 Main Ave., Ste. 1B; Clifton, NJ 07011; 201-478-1970 or 201-478-1513 (fax)

POET
Cross-platform object database
Macintosh Plus or larger; MPW C++ and CodeWarrior.
$299 retail
POET Software Corp.; 4633 Old Ironsides Dr., #110; Santa Clara, CA 95054; 408-970-4640, 800-950-8845 or 408-970-4630 (fax)

QuickCode Pro
Enhances the 4th Dimension procedure editing environment with features that simplify and accelerate script writing
Macintosh Plus or larger; 4th Dimension 2.2.3 or later; System 7.0 or later.
$199.95 retail
Natural Intelligence, Inc.; 2067 Massachusetts Ave.; Cambridge, MA 02140; 800-999-4649 or 617-492-7425 (fax)

Sapiens Ideo
Dynamic cross-platform client/server SQL application development
Macintosh Classic or larger; 4 to 8 MB of RAM; System 7.0 or later.
$75 to $12,000 retail
SmartStar Corp.; 120 Cremona Dr.; Goleta, CA 93117; 805-685-8000, 800-677-7827 or 805-685-2020 (fax)

SmalltalkSQL
Portable database interface for Smalltalk
Macintosh with 6 MB of RAM; System 6.0 or later.
Call for pricing; based on Smalltalk implementation
Synergistic Solutions Inc.; 15 Stanford Dr.; Kendall Park, NJ 08824; 908-422-0450 or 908-422-0901 (fax)

Tbx System For 4th Dimension
Toolbox access from the 4D programming language
Macintosh Plus or larger; 4th Dimension 2.2 or later.
$249.95 retail
Tuesday Software; 215 Via Sevilla; Santa Barbara, CA 93109; 805-962-7889, 800-945-7889 (orders) or 805-564-8955 (fax)

WandTools
4th Dimension external package
Macintosh Plus or larger; 4th Dimension 2.1.1; System 6.0.5; Videx TimeWand II.
$299 retail
E.E.S. Companies, Inc.; 2 Vernon St., Ste. 404; Framingham, MA 01701; 508-653-6911 or 508-650-1872 (fax)

■ **X4**
Extension manager
Macintosh Plus or larger; 2 MB of RAM; 4th Dimension 2.2.1 or later.
X4 is a module for 4th Dimension that allows extension developers to transfer modified external code and/or resources into a 4th Dimension database with a single button click — without having to exit 4D. X4 supports 4DEX, 4DPX, DEV4 and REDX extensions. X4 allows users to browse external resources like 4BND, 4BNX, 4DTE, 4Dte, STR#, STR, VAR# and PICT. Process hooks to common development systems and resource editors are provided. Users can easily move from X4 into an external project with a button click.
$150 retail
Dart Computing; 2646 Palma Dr., Ste. 210; Ventura, CA 93003; 805-658-9240 or 805-658-7636 (fax)

Programming Tools/Forth

Bak'N Forth
Forth language learning system
Macintosh Plus or larger.
$70 retail
Navaco; 420 Pasadena Dr.; Erie, PA 16505; 814-833-2592 (phone/fax)

MacForth Plus 4.2
Multitasking programming environment with integrated text editor, XCMD support
Macintosh 512K or larger.
MacForth Plus is an interactive, multitasking programming environment. Features include: assembler; text editor; toolbox support; turnkey compiler or creating stand-alone applications; multitasker; floating-point; and an extensive 500-page user manual. Also included in the package are Mac II Tools, which provides color graphics, a 68020 assembler and 68881/68882 coprocessor support; and Online Glossary Tool, which gives programmers the capability to see the definition of any MacForth word online. The program combines all of the features of the previous levels of MacForth with many added capabilities. Upgrades are available from the older versions, as well as from the student version.
$199 retail
$25 retail; Optional 4.0 tools
$25 retail; 3D Library
Creative Solutions, Inc.; 4701 Randolph Rd., Ste. 12; Rockville, MD 20852; 301-984-0262, 800-367-8465 (orders) or 301-770-1675 (fax)
FAX©NDEMAND 1-800-872-3293 **135**

Programming Tools/Fortran

3D Graphic Tools
Linkable library that renders complex 3-D images
Macintosh Plus or larger; LS Fortran 3.1 or later.
$295 retail
Language Systems Corp.; 100 Carpenter Dr.; Sterling, VA 20164; 800-252-6479 or 703-689-9593 (fax)

Absoft Fortran 77 Development Tool Kit For Macintosh PowerPC
High-performance, globally optimizing native compiler and linker, native Fx multilanguage debugger and Apple's MPW development environment
Macintosh PowerPC.
$699 retail
Absoft Corp.; 2781 Bond St.; Rochester Hills, MI 48309; 810-853-0050 or 810-853-0108 (fax)

D-F77
Optimizing Fortran 77 compiler
Macintosh II.
$2,200 to $5,200 retail
Diab Data, Inc.; 323 Vintage Park Dr.; Foster City, CA 94404; 415-571-1700 or 415-571-9068 (fax)

Debugging Toolkit
Debugging tools
Macintosh Plus or larger; 2 MB of RAM; Fortran 3.0.1 or later; MPW 3.2 or later.
$195 retail
Language Systems Corp.; 100 Carpenter Dr.; Sterling, VA 20164; 800-252-6479 or 703-689-9593 (fax)

Fortran Converter
Converts standard Fortran programs to True Basic
Macintosh Plus or larger; True Basic Language System.
$39.95 retail
True BASIC, Inc.; 12 Commerce Ave.; West Lebanon, NH 03784; 800-436-2111

Fortran Tools For AppMaker
Fortran programming tool
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.
$150 retail
$350 retail; with AppMaker
Language Systems Corp.; 100 Carpenter Dr.; Sterling, VA 20164; 800-252-6479 or 703-689-9593 (fax)

Freditor V2.0
Fortran text editor
Macintosh 512K or larger.
$99.95 retail
Battelle, Pacific Northwest Laboratories; M/S K7-02; PO Box 999; Richland, WA 99352; 509-375-6787, 800-451-3543 (orders) or 509-375-6499 (fax)

IMSL Subroutine Libraries
Numerical libraries
Macintosh with FPU; LS Fortran 3.0 or later; 2 MB partition under MultiFinder or System 7.0 or later.
$995 retail
$595 retail; Math and SFUN only
$595 retail; STAT only
Language Systems Corp.; 100 Carpenter Dr.; Sterling, VA 20164; 800-252-6479 or 703-689-9593 (fax)

LS Fortran — Professional Version 3.3
Full-featured ANSI standard Fortran 77 compiler
Macintosh Plus or larger; 4 MB of RAM; hard disk drive.
$895 retail

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* See listing under Programming Tools/CASE, or call (310) 458-0092.

Language Systems Corp.; 100 Carpenter Dr.; Sterling, VA 20164; 800-252-6479 or 703-689-9593 (fax)

LS Fortran — Standard Version 3.3
ANSI Fortran 77 compiler in MPW
Macintosh Plus or larger; 4 MB of RAM; hard disk drive.
$595 retail; with MPW
$495 retail; without MPW
$1,795 retail; corporate five-pack
Language Systems Corp.; 100 Carpenter Dr.; Sterling, VA 20164; 800-252-6479 or 703-689-9593 (fax)

LS Fortran — Student Version 2.1
ANSI Fortran 77 compiler
Macintosh Plus or larger; 2.5 MB of RAM; hard disk drive.
$99 retail; with MPW 3.2
Language Systems Corp.; 100 Carpenter Dr.; Sterling, VA 20164; 800-252-6479 or 703-689-9593 (fax)

MacFortran II V3.2 For A/UX
VAX/VMS-compatible Fortran 77 compiler
Macintosh II; A/UX 3.0 or later.
$695 retail
Absoft Corp.; 2781 Bond St.; Rochester Hills, MI 48309; 810-853-0050 or 810-853-0108 (fax)

MacFortran II V3.3 For MPW
VAX/VMS-compatible Fortran 77 compiler
Macintosh with 68020/030/040 processor; 4 MB of RAM; 8 MB of free hard disk space.
$595 retail
Absoft Corp.; 2781 Bond St.; Rochester Hills, MI 48309; 810-853-0050 or 810-853-0108 (fax)

MacFortran II/AppMaker Templates & Libraries
Makes it quick and easy to add a complete Macintosh interface to any program created with MacFortran II
Macintosh II with FPU; MacFortran II V3.2; AppMaker V1.5.
$139 retail
$339 retail; with AppMaker
Absoft Corp.; 2781 Bond St.; Rochester Hills, MI 48309; 810-853-0050 or 810-853-0108 (fax)

MacFortran V2.4
ANSI 77 Fortran compiler with debugger; no limit on code or data size
Macintosh Plus or larger.
$295 retail
Absoft Corp.; 2781 Bond St.; Rochester Hills, MI 48309; 810-853-0050 or 810-853-0108 (fax)

MacFortran/020 V2.4
ANSI standard Fortran 77 compiler
Macintosh Classic or larger.
$495 retail
Absoft Corp.; 2781 Bond St.; Rochester Hills, MI 48309; 810-853-0050 or 810-853-0108 (fax)

MacFortran/EE V2.4
Special educational edition sold only to schools and universities
Macintosh Classic or larger.
$99 retail; lots of 10 or more (sold only to educational institutions)
Absoft Corp.; 2781 Bond St.; Rochester Hills, MI 48309; 810-853-0050 or 810-853-0108 (fax)

Mactran Plus V4.5
Integrated Fortran 77 development system
Macintosh 512KE or larger.
$329 retail
DCM Data Products; 1200 Quail St., Ste. 280; Newport Beach, CA 92660

Math77 V.4.1
Portable library of Fortran subroutines
Macintosh Plus or larger.
$249 retail
Language Systems Corp.; 100 Carpenter Dr.; Sterling, VA 20164; 800-252-6479 or 703-689-9593 (fax)

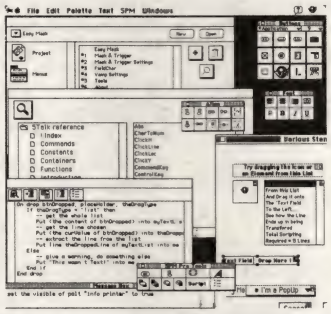
SuperPlot
Allows programmers to call an easy-to-use plotting routine directly from their application
Macintosh Plus or larger.
$195 retail
SuperSoft; 498 E. Robin Rd.; Orem, UT 84057; 801-225-4356 or 801-226-6276 (fax)

Transputer Fortran 77
Fortran compiler
Macintosh II, Centris, Performa or Quadra; Pacific Parallel Pac8 or Pac2.
$895 retail
Pacific Parallel Research, Inc.; 922 Grange Hall Rd.; Cardiff by the Sea, CA 92007; 619-436-1455 (phone/fax)

TSiGraphics
Gives users total control over the Fortran plotting environment
Macintosh Plus or larger; LS Fortran 3.0.1 or later.
$195 retail
Language Systems Corp.; 100 Carpenter Dr.; Sterling, VA 20164; 800-252-6479 or 703-689-9593 (fax)

Programming Tools/ HyperCard

5PM Pro
GUI development environment
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.



5PM Pro is a powerful GUI development environment allowing users to create graphical front ends for terminal emulation-based host applications, as well as SQL-based client/server applications. 5PM Pro offers 5Talk, ASC's proprietary HyperTalk-like scripting language with full support for HyperCard XCMDs and XFCNs. The end user is given the ability to create palettes with graphical objects (i.e., buttons, icons, radio buttons, etc.). 5PM Pro allows users to integrate Legacy systems and client/server applications into one GUI desktop metaphor. 5PM Pro allows users to create a GUI interface that can be executed by ASC's 5PM Term terminal emulation product, which ships in different emulation modes, including: IBM-3270, IBM-3270TN, IBM-5250, IBM-5250TN, DEC-VT420, as well as Unisys, Bull and Honeywell connectivity.
$3,895 retail
ASC; 10601 S. De Anza Blvd., Ste. 105; Cupertino, CA 95014; 408-725-4242 or 408-725-4243 (fax)
FAX©NDEMAND 1-800-872-3293 **140 & 141**

Authenticate And Mutate
XFCN that allows users to do computer authentication of fields with one function call; XFCN used to format or transform field contents
Macintosh Plus or larger; HyperCard 1.0 or later; 4th Dimension 1.0.6 or 2.0.x; System 4.1 or later.
$125 retail
SoftStream International, Inc.; 106 State Rd.; N. Dartmouth, MA 02747; 508-991-4011, 800-262-6610 or 508-991-4223 (fax)

CLR HyperArrays V2.0
XCMDs and XFCNs for working efficiently with numeric arrays
Macintosh Plus or larger.
$100 retail
Clear Lake Research; 2476 Bolsover, Ste. 343; Houston, TX 77005; 713-242-3494

CompileIt! 2.6
HyperCard script compiler
Macintosh Plus or larger; HyperCard.
$149 retail
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

ConvertIt!
HyperCard to ToolBook converter
Macintosh Plus or larger; 2 MB of RAM recommended; HyperCard 2.0.2 or later; IBM PC or compatible; Windows 3.0; ToolBook 1.5.
$199 retail
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

epsiTalk
Real-time multiuser HyperCard with peer to peer messaging
Macintosh Plus or larger (68030 or larger recommended); 4 MB of RAM; hard disk drive; HyperCard 2.2 or later; AppleScript 1.1 or later; System 7.0 or later .
$99 retail; two-users
$239 retail; five-user
$469 retail; 10-user
$599 retail; 15-user
$799 retail; 25-user
$59 retail; each additional user
epsi Computer Systems, Inc.; 11238 Kendale View; Delta, BC, Canada V4C 3P9; 604-589-4412 or 604-589-4104 (fax)

Hyper488
Software stack designed to simplify the interactive development of IEEE 488 control applications with IEEE 488 plug-in boards or external controllers for Macintosh computers
Any Macintosh; NB-GPIB, GPIB-SE, GPIB-SE/30, NB-DMA2800, GPIB-SCSI-A, GPIB-SCSI, GPIB-422CT, LC-GPIB.
No charge with purchase of GPIB interface kits for the Macintosh
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

HyperBasic
XCMD generator using Basic
Macintosh Plus or larger; 1 MB of RAM; hard disk drive recommended; System 6.0.2 or later; HyperCard 1.2.1 or later.
$149 retail
Novy Systems, Inc.; 107 E. Palm Way, #14; Edgewater, FL 32132; 904-427-2358, 800-553-2038 or 904-428-0765 (fax)

HyperCard LabelTools II
Prints labels
Macintosh Plus or larger; HyperCard 2.0; CoStar LabelWriter II Plus or Avery Personal Label Printer; System 6.0.3 or later.
$79.95 retail
E.E.S. Companies, Inc.; 2 Vernon St., Ste. 404; Framingham, MA 01701; 508-653-6911 or 508-650-1872 (fax)

HyperChart
Interactive, fast and easy business graphics for HyperCard
Macintosh Plus or larger; HyperCard 2.0.
$150 retail
NewMedia Inc.; 3400 N. High St., Ste. 260; Columbus, OH 43202; 614-267-7888 or 614-267-7890 (fax)

HyperHit Deluxe 2.0
Data management tool
Macintosh with 1 MB of RAM; HyperCard 2.0, SuperCard 1.6 or HyperApp (any HyperCard external compatible product).
$395 starting price retail
SoftStream International, Inc.; 106 State Rd.; N. Dartmouth, MA 02747; 508-991-4011, 800-262-6610 or 508-991-4223 (fax)

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* See listing under Programming Tools/CASE, or call (310) 458-0092.

HyperTalk Language Toolkit
Allows HyperTalk to be embedded into software application products
Macintosh Plus or larger.
$495 retail; professional
Abraxas Software, Inc.; 5530 SW Kelly Ave.; Portland, OR 97201; 503-244-5253 or 503-244-8375 (fax)

InColor
Easy-to-use coloring tool
Macintosh with 2 MB of RAM; hard disk drive; HypeCard 2.1 or later; System 6.0.7 or later.
$99 retail
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

LabelTools For HyperCard
Prints text and bar-code labels
Macintosh Plus or larger; HyperCard 2.0; CoStar LabelWriter printer.
$75 retail
E.E.S. Companies, Inc.; 2 Vernon St., Ste. 404; Framingham, MA 01701; 508-653-6911 or 508-650-1872 (fax)

MitemView 3.2
Toolkit that enables the development of distributed function client/server applications
Macintosh Plus or larger; 1 MB of RAM (2 MB for development); hard disk drive; HyperCard 1.2.2 or later, 4th Dimension 2.2 or later or SuperCard 1.5 or later; System 6.0.2 or later.
Call for pricing
MITEM Corp.; 640 Menlo Ave.; Menlo Park, CA 94025; 415-323-6164, 800-826-4836 or 415-322-8607 (fax)

The Tbx System Version 2.0
Toolbox access from HyperTalk
Macintosh Plus or larger; HyperCard 2.0 or later.
$149.95 retail
Tuesday Software; 215 Via Sevilla; Santa Barbara, CA 93109; 805-962-7889, 800-945-7889 (orders) or 805-564-8955 (fax)

TuesdayDraw 1.0
Quick color graphics in HyperTalk
Macintosh Plus or larger; HyperCard 2.0 or later.
$49.95 retail
Tuesday Software; 215 Via Sevilla; Santa Barbara, CA 93109; 805-962-7889, 800-945-7889 (orders) or 805-564-8955 (fax)

The Voyager CD Audio Toolkit
Tool kit that allows users to create interactive, CD-based applications
Macintosh Classic or larger; 2 MB of RAM; hard disk drive; CD-ROM drive; HyperCard 2.1 or later; System 6.0.5 or later.
$195 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

The Voyager Videodisc Toolkit
Tool kit for developing interactive videodisc applications
Macintosh Classic or larger; 2 MB of RAM; hard disk drive; HyperCard 2.1 or later; System 6.0.5 or later; videodisc player.
$295 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

WindowScript 1.5
Brings the look and feel of a real Macintosh user interface to HyperCard
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later; HyperCard 2.0.2 or later.
$149 retail
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

Xrules 1.0.4
Adds rule-based programming capability to HyperCard
Macintosh Plus or larger; 1 MB of RAM; HyperCard 1.2 or later or SuperCard 1.5.
$99 retail
Integrated Lab Solutions, Inc.; 1532 Bob Wade Ln.; Huntsville, AL 35810; 205-859-2785

Programming Tools/Modula

Numerical Procedures In Modula-2
Authorized Modula-2 translation of Numerical Recipes in Pascal
Macintosh Plus or larger.
$95 retail
PolyWare; 420 Rushton Rd.; Toronto, Ontario, Canada M6C 2Y3; 416-651-6683

■ **p1 Modula-2**
Object-oriented compiler
Any Macintosh; 4 MB of RAM.
p1 Modula-2 is a full implementation of the ISO Standard for Modula-2, which includes exception handling, termination, complex numbers, value constructors, a standard library and more. It supports objects and MacApp, foreign language calls, all current MPW interfaces, optimized 680X0 instructions, three floating point types with four modes of operation, etc. A symbolic window debugger, several utilities and a set of examples (including MacApp tutorial) are provided. p1 Modula-2 requires MPW or Metrowerks Code Warrior. It is targeted for professional development, and prompt technical support by E-mail or fax is granted. A Power Macintosh version is available.
$395 retail
p1 GmbH; HogenbergstraBe 20; W-8000 Munich, 21 Germany; +49 (89) 54-613-10 or +49 (89) 58-025-97 (fax)

Programming Tools/Pascal

Just Enough Pascal
Add-on learning tool for Think Pascal programming environment
Macintosh Plus or larger; 1 MB of RAM; Think Pascal; two 800K disk drives; hard disk drive strongly recommended.
$75 retail
Symantec Corp.; 10201 Torre Ave.; Cupertino, CA 95014; 800-441-7234 or 800-626-8847 in CA

MacWireFrame
Three-dimensional solid and wire-frame modeling program developing tool
Macintosh II; 2 MB of RAM; Think Pascal.
$299.95 retail
Amplified Intelligence; Dept. D; PO Box 189279; Sacramento, CA 95818; 916-737-1550, 916-454-9880 or 916-454-9350 (fax)

MPW Object Pascal 3.2.3
Development environment
Macintosh with 68020 processor or larger; 4 MB of free RAM (8 MB recommended); hard disk drive; System 7 or later; MPW Development Environment 3.2.3.
$150 retail
APDA—Apple Computer, Inc.; PO Box 319; Buffalo, NY 14207; 716-871-6555, 800-282-2732 or 716-871-6511 (fax)

OP2CPlus
Object Pascal to C++ translation
Macintosh Plus or larger; 8 MB of RAM.
$895 retail
Graphic Magic Inc.; 180 Seventh Ave., Ste. 201; Santa Cruz, CA 95062; 408-464-1949 or 408-464-0731 (fax)

p2c
Converts MPW Pascal to C++
Macintosh Plus or larger; MPW; System 6.0.2 or later.
$7,500 retail
Sierra Software Innovations; 923 Tahoe Blvd., Ste. 102; Incline Village, NV 89451; 702-832-0300, 800-621-0631 or 702-832-7753 (fax)

Think Pascal V4.0
Professional Pascal development environment
Macintosh Plus or larger; 1 MB of RAM (2 MB recommended); hard disk drive recommended; System 6 or later.
$249 retail
$69 retail; upgrade
Symantec Corp.; 10201 Torre Ave.; Cupertino, CA 95014; 800-441-7234 or 800-626-8847 in CA

Transputer Pascal
Pascal compiler
Macintosh II, Centris, Performa or Quadra; Pacific Parallel Pac8 or Pac2.
$895 retail
Pacific Parallel Research, Inc.; 922 Grange Hall Rd.; Cardiff by the Sea, CA 92007; 619-436-1455 (phone/fax)

Programming Tools/Other

3d Graphic Tools V3.0
Three-dimensional data, wireframe/solids modeling and 1- to 32-bit color rendering functions; Zbuffer and Painter's algorithms; Phong shading, textures, arbitrary lighting
Macintosh Plus or larger; 1 MB of RAM; MPW C, Think C, MPW Pascal or Think Pascal.
$249.95 retail; full package (Windows version available)
Micro System Options; PO Box 95167; Seattle, WA 98145; 206-868-5418 (phone/fax)

All Of MacTech Magazine CD-ROM Vol. I-VIII
More than 500 MB of information for Macintosh developers
Macintosh Plus or larger; CD-ROM drive.
$299 retail
MacTech Magazine; PO Box 250055; Los Angeles, CA 90025; 310-575-4343 or 310-575-0925 (fax)

■ **Analyst Reusable Objects**
Application development tool
Macintosh II; ParcPlace Systems' Objectworks/Smalltalk.
Analyst Reusable Objects is a rich set of Smalltalk application classes and utilities and an excellent way to offer a programming staff an instant repository of reusable application development code. The product includes applications, such as Spreadsheets, Desktop Publishing, Database, E-mail and Image/Draw Editors. Other modules include a Hypertext framework for organizing information, SQL point and click database Query, Map support and Forms for creating additional interfaces. Many other utilities, including printing and data support, are also included. Analyst classes can also be used as an invaluable training aid for programmers new to the Object Oriented Paradigm. Analyst Reusable Objects is available for both Objectworks 4.1 and VisualWorks 1.0 and 2.0 on all ParcPlace-supported platforms.
Call for pricing
Xerox Special Information Systems; 250 N. Halstead St.; PO Box 7018; Pasadena, CA 91109; 818-351-2351 or 818-351-4496 (fax)

AppleScript Scripter's Kit
Allows solution providers to integrated off-the-shelf applications across desktops and networks
Macintosh Classic or larger; System 7.0 or later.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

■ **Apprentice**
CD-ROM compilation of source code and utilities for programmers
Macintosh Plus or larger; CD-ROM drive.
Apprentice is a CD-ROM compilation of source code and utilities. It contains more than 450 MB of up-to-date source code, as well as quality programming utilities to assist a novice or experienced developer. More than 200 Macintosh developers gave their

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permission to include some of the best programming examples available, including complete working applications, games, control panels, extensions and utilities. Apprentice also includes MPW tools, technical specifications and demonstration versions of commercial developer utilities. Apprentice is indexed using several different utilities, so users will find what they are looking for quickly and easily.
$35 retail
Celestin Co.; 1152 Hastings Ave.; Port Townsend, WA 98368; 206-385-3767, 800-835-5514 or 206-385-3586 (fax)

ARTI Developer's Kit
Enables developers to add control of video and multimedia devices to their programs
Macintosh Plus or larger.
Call for pricing
Advanced Remote Technologies, Inc. (ARTI); 307 Orchard City Dr., Ste. 204; Campbell, CA 95008; 408-374-9044 or 408-374-3623 (fax)

BB^{x}Progression/4
Computer language
Macintosh SE/30 or II family; A/UX 2.0 or later.
$500 to $15,000 retail; depends on number of users
Basis International, Ltd.; 5901 Jefferson St. NE; Albuquerque, NM 87109; 505-345-5232 or 505-345-5082 (fax)

Bersearch PostScript Examples V1.01
Illustrates the power and elegance of PostScript as a programming language
Macintosh Plus or larger; LaserTalk recommended; PostScript printer.
$40 retail
Bersearch Information Services; 26160 Edelweiss Cir.; Evergreen, CO 80439; 303-674-8875, 800-851-0289 or 303-674-1850 (fax)

CD Author
CD-ROM development tools
Macintosh Plus or larger.
Call for pricing
Dataware Technologies, Inc.; 222 Third St.; Cambridge, MA 02142; 617-621-0820 or 617-621-0307 (fax)

CD-i Animation Stack
Point-and-click conversion for Macintosh QuickTime movies and animation to CD-i MediaMogul
Macintosh LC or larger; 2.5 MB of RAM; HyperCard 2.1 or later; QuickTime extension (for converting or viewing QuickTime movies); System 7 (or System 6.0.8 with 32-bit QuickDraw installed).
$995 retail
OptImage Interactive Services Co.; 1501 50th St., Ste. 100; West Des Moines, IA 50266; 515-225-7000, 800-234-5484 or 515-225-0252 (fax)

CD-i Plug-Ins For Adobe Photoshop
Provides a complete pathway for CD-i image production
Macintosh II or larger; 4 MB of RAM; Philips 605 CD-i development player.
$395 retail; single user
$1,975 retail; site license
OptImage Interactive Services Co.; 1501 50th St., Ste. 100; West Des Moines, IA 50266; 515-225-7000, 800-234-5484 or 515-225-0252 (fax)

CD-IT!
Turns a Macintosh and a Philips CDD 521 into a multimedia printer
Macintosh II, Quadra or Centris family; 4 MB of RAM; SCSI drive with sustained data rate of 400 KB/second; Philips CDD-521 compact disc recorder; blank disc media; System 6.0.8 or later.
$1,295 retail; CD-IT! for CD-ROM (Yellow Book and Red Track Support)
$1,295 retail; CD-IT! for CD-Audio (Red Book Support)
$1,295 retail; CD-IT! for CD-i (Green Book, create CD-i discs from a CD-i disc image)
$2,995 retail; CD-IT! All (for CD-ROM, CD-Audio, CD-i, Mixed Mode, Multisession)
OptImage Interactive Services Co.; 1501 50th St., Ste. 100; West Des Moines, IA 50266; 515-225-7000, 800-234-5484 or 515-225-0252 (fax)

CD-Record
CD-ROM development tools
Macintosh Quadra.
Call for pricing
Dataware Technologies, Inc.; 222 Third St.; Cambridge, MA 02142; 617-621-0820 or 617-621-0307 (fax)

The CD-ROM Developer's Lab
Multimedia production reference
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive with Apple-compatible SCSI interface; printer (optional).
$395 list
$425 list; transportable version (Macintosh and Windows)
Software Mart, Inc.; 3933 Steck Ave., Ste. B-115; Austin, TX 78759; 512-346-7887 or 512-346-1393 (fax)

CLImate 1.0.4
Command line interface
Macintosh Plus or larger; System 6.0.5 or later.
$59.95 retail
Orchard Software, Inc.; PO Box 380814; Cambridge, MA 02238; 617-876-4608

CommControl 2.2
Communications control for ViewIt
Macintosh Plus or larger; FaceWare's ViewIt module; System 6.0.5 or later.
$95 retail
FaceWare; 1310 N. Broadway; Urbana, IL 61801; 217-328-5842

The Debugger V2 & MacNosy
High-level, symbolic debugger
Macintosh Plus or larger; PowerPC.
$350 retail
Jasik Designs; 343 Trenton Way; Menlo Park, CA 94025; 415-322-1386

Design/CPN
Application for specifying prototyping, simulating and formally analyzing complex concurrent systems
Macintosh IIfx, Centris or Quadra; 32 MB of RAM; System 7.0 or later.
$24,000 retail
Meta Software Corp.; 125 CambridgePark Dr.; Cambridge, MA 02140; 617-576-6920, 800-227-4106 or 617-661-2008 (fax)

Design/OA
C-language developer's construction kit for building customized diagram-based applications and interfaces
Macintosh Plus or larger; 2 MB of RAM; Think C compiler 4.0 or later; ImageWriter or LaserWriter.
$9,000 retail
Meta Software Corp.; 125 CambridgePark Dr.; Cambridge, MA 02140; 617-576-6920, 800-227-4106 or 617-661-2008 (fax)

DeX Algorithm
Intellectual property security key
Macintosh Plus or larger; System 6.0.3 or later.
$229 retail
Expert Systems, Inc.; 2616 Quebec Ave.; Melbourne, FL 32935; 407-242-0140 or 407-242-1754 (fax)

Disc To The Future: Programmers Reference Part II
Source code and utilities
Macintosh Plus or larger; CD-ROM drive.
$129 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

DocuBase 2.1
Combined document and database manager
Macintosh Plus or larger; System 6.0.5 or later.
$95 retail
FaceWare; 1310 N. Broadway; Urbana, IL 61801; 217-328-5842

Double-XX
Build stand-alone applications from XCMDs and XFCNs
Macintosh Plus or larger; 2 MB of RAM; HyperCard 2.1 or later; System 6.0.5 or later.
$149 retail
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

DrawIt 2.1
QuickDraw extensions
Macintosh Plus or larger; System 6.0.5 or later.
$95 retail
FaceWare; 1310 N. Broadway; Urbana, IL 61801; 217-328-5842

DSP3210/ARTA Developer Toolkit
Software development environment
Macintosh Plus or larger; System 7.0 or later.
$995 to $1,995 retail
Spectral Innovations, Inc.; 1885 Lundy Ave., Ste. 208; San Jose, CA 95131; 408-955-0366 or 408-955-0370 (fax)

E.T.O.: Essentials-Tools-Objects
Software development system
Macintosh with 68020 processor or larger; 4 MB of free RAM; hard disk drive; CD-ROM drive.
$1,295 retail; complete new subscriber package (includes first year subscription fee)
APDA — Apple Computer, Inc.; PO Box 319; Buffalo, NY 14207; 716-871-6555, 800-282-2732 or 716-871-6511 (fax)

EditControls 2.2
Advanced controls for ViewIt
Macintosh Plus or larger; FaceWare's ViewIt module; System 6.0.5 or later.
$95 retail
FaceWare; 1310 N. Broadway; Urbana, IL 61801; 217-328-5842

EHelp 4.0
Multimedia documentation systems for Macintosh software
Macintosh Plus or larger; hard disk drive or CD-ROM drive highly recommended; System 7.0 or later.
Call for pricing
Foundation Solutions, Inc.; 2000 Regency Pkwy., Ste. 345; Cary, NC 27511; 919-481-3517, 800-247-7890 or 919-481-3551 (fax)

FormsProgrammer
Printer layout chart; programming utility
Macintosh 512K or larger.
$99 retail
OHM Software; 98 Long Pasture Way; Tiverton, RI 02878; 401-253-9354 or 800-346-9034

FreeForm/U*DB*OS V7.1
Universal database operating system
Macintosh Plus or larger; 2 MB of RAM; any SQL RDBMS engine/server; TCP/IP Ethernet.
$395 starting price retail
Dimension Software; 1717 Walnut Hill Ln., Ste. 104; Las Colinas, TX 75038; 214-580-1045 or 214-580-0794 (fax)

Fulcrum SearchTools
Software developer's kit for building text-retrieval products and applications
Macintosh Plus or larger; MPW 3.2; MPW C 3.2; Novell LAN Workplace for Macintosh toolkit; System 6.0.3 or later.
Call for pricing
Fulcrum Technologies Inc.; 785 Carling Ave.; Ottawa, Ontario, Canada K1S 5H4; 613-238-1761 or 613-238-7695 (fax)

GCS Compressor/Installer
Complete system for compression of files for installation with Apple's Installer utility
Macintosh Plus or larger.
$329 to $599 retail
Glen Canyon Software; 3921 Shasta View; Eugene, OR 97405; 503-345-6360, 800-477-6947 or 503-345-6503 (fax)

ICONIX * INDUSTRIAL-STRENGTH * MULTI-USER *OBJECT-ORIENTED CASE TOOLS
* See listing under Programming Tools/CASE, or call (310) 458-0092.

GKSBx
Graphics library
Macintosh II; A/UX 2.0 or 3.0.
$1,000 U.S. retail
G5G; Parc D'Activites Chateau Rouquey; PO Box 168; Merignac Cedex, France 33708; (33) 56-34-82-48 or (33) 56-13-02-10

GPHIGS V2.1
Graphics library
Macintosh II; A/UX 2.0 or 3.0.
$1,500 U.S. retail
G5G; Parc D'Activites Chateau Rouquey; PO Box 168; Merignac Cedex, France 33708; (33) 56-34-82-48 or (33) 56-13-02-10

Grafpak-CGM
Subroutine library to produce CGM output
Macintosh II; A/UX.
$1,950 retail
Advanced Technology Center; 22982 Mill Creek Dr.; Laguna Hills, CA 92653; 714-583-9119 or 714-583-9213 (fax)

Grafpak-GKS
Device-independent graphics application development
Macintosh II; A/UX.
$1,950 retail
Advanced Technology Center; 22982 Mill Creek Dr.; Laguna Hills, CA 92653; 714-583-9119 or 714-583-9213 (fax)

Great Plains Dexterity
Graphical, cross-platform applications development system
Macintosh IIsi or larger (Macintosh IIci recommended); 4 MB of RAM (6 to 8 MB recommended); System 7.0 or later.
$2,000 retail
Great Plains Software; 1701 SW 38th St.; Fargo, ND 58103; 701-281-0550, 800-456-0025 or 701-281-3700 (fax)

Green Hills C++ Cross And Native Compiler From Oasys
C++ compiler
Macintosh II; 2 MB of RAM.
Call for pricing
Oasys, Inc.; One Cranberry Hill; Lexington, MA 02173; 617-862-2002 or 617-863-2633 (fax)

Halo Advanced Imaging Library
Multiplatform analytical imaging toolkit for application developers
Macintosh with 68020 or larger processor; 4 MB of RAM (8 MB recommended); Think C 5.0 or MPW 3.2; System 6.0 or later.
Call for pricing
Media Cybernetics, Inc.; 8484 Georgia Ave., Ste. 200; Silver Spring, MD 20910; 301-495-3305, 800-992-4256 or 301-495-5964 (fax)

Halo Imaging Library
Multiplatform toolkit for adding advanced imaging capabilities to applications
Macintosh with 68020 or larger processor; 4 MB of RAM (8 MB recommended); Think C 5.0 or MPW 3.2; System 6.0 or later.
$599 retail
$999 retail; for Unix
Media Cybernetics, Inc.; 8484 Georgia Ave., Ste. 200; Silver Spring, MD 20910; 301-495-3305, 800-992-4256 or 301-495-5964 (fax)

HOOPS Graphics Development System
Interactive three-dimensional graphics development system
Macintosh II.
Call for pricing
Ithaca Software; 1301 Marina Village Pkwy.; Alameda, CA 94501; 510-523-5900 or 510-523-2880 (fax)

■ How To Digitize Video
Step-by-step guide
Macintosh LC or larger; QuickTime 1.5 or later; System 7.0 or later.
How To Digitize Video is a step-by-step guide on how to capture video on Macintosh computers and PCs. It comes with a book, runtime of QuickTime for Windows 1.1.1 and music videos.
$39.95 retail
The San Francisco Canyon Co.; 150 Post St., Ste. 620; San Francisco, CA 94108; 415-398-9957 or 415-398-5998 (fax)

HyperFace 1.2
HyperCard interface to FaceWare modules
Macintosh Plus or larger; System 6.0.5 or later.
$75 retail
FaceWare; 1310 N. Broadway; Urbana, IL 61801; 217-328-5842

InfoAgent Developer Kit 1.0
Development kit for building and embedding InfoAgents into applications
Macintosh II or larger; 8 MB of RAM; System 6.0 or later.
Call for pricing
Verity, Inc.; 1550 Plymouth St.; Mountain View, CA 94043; 415-960-7600 or 415-960-7698 (fax)

Irma Quick Tools-API Tool Kit
Application programming interface for the IRMA family of IBM 3270 emulation products
Macintosh Plus or larger.
$195 retail
Digital Communications Associates, Inc. (DCA); 1000 Alderman Dr.; Alpharetta, GA 30202; 800-348-3221

Lasertalk
PostScript language development environment
Macintosh Plus or larger; LaserWriter or other PostScript printer.
$249 retail
Adobe Systems, Inc.; 1585 Charleston Rd.; PO Box 7900; Mountain View, CA 94039; 415-961-4400, 800-833-6687 or 415-961-3769 (fax)

LINDO, Release 5.3
Linear, interactive and discrete optimizer
Macintosh Plus or larger; 1 MB of RAM.
$245 to $4,994 retail
boyd & fraser publishing company; One Corporate Pl.; Ferncroft Village; Danvers, MA 01923; 508-777-9069, 800-225-3782 or 508-777-9068 (fax)

Linear And Non-Linear Programming
Mathematical programming using Simplex and Monte Carlo techniques
Macintosh 512K or larger.
$145 retail
Lionheart Press, Inc.; PO Box 20756; Mesa, AZ 85277; 602-396-0899, 514-526-7877 or 602-396-0932 (fax)

Logo Plus For The Macintosh 2.0
Programming language
Macintosh Plus or larger; 1 MB of RAM (2 MB with System 7); System 6.0.5 or later.
$99.95 retail; program
$199.95 retail; MacPak 5
$299.95 retail; MacPak 10
$399.95 retail; MacPak 20
$450 retail; one-time site license fee/network version to 25 users ($5 per workstation thereafter)
Terrapin Software, Inc.; 400 Riverside St.; Portland, ME 04103; 207-878-8200, 800-972-8200 or 207-797-9235 (fax)

LusterPIC 1.0
Converts color PixMap pictures to display or print in non-color Macintosh environments
Macintosh Plus or larger; 1 MB of RAM.
$1,600 retail
DataPak Software; 9317 NE Hwy. 99, Ste. G; Vancouver, WA 98665; 206-573-9155 or 206-573-9269 (fax)

Mac2Win
Uses a single set of native Mac source code, a single resource file and a single development team to build a Windows version of an application
Macintosh with 68020 CPU or larger; 2 MB of RAM; System 6.0.5 or later.
Call for pricing
Altura Software, Inc.; 510 Lighthouse Ave. Ste. 5; Pacific Grove, CA 93950; 408-655-8005 or 408-655-9663 (fax)

MacApp 3.0.1
Object-oriented application framework
Macintosh with 16 MB of RAM; hard disk drive; System 7; MPW Development Environment 3.2 or later; MPW C 3.2.4, MPW C++ 3.2 and MPW Assembler 3.2.3 required for development.
$395 retail; disk version
$350 retail; CD-ROM version
APDA — Apple Computer, Inc.; PO Box 319; Buffalo, NY 14207; 716-871-6555, 800-282-2732 or 716-871-6511 (fax)

MacExpress
Instant application and user interface manager; development tool
Macintosh Plus or larger.
$195 retail
Alsoft, Inc.; PO Box 927; Spring, TX 77383; 713-353-4090 or 713-353-9868 (fax)

MacFlow 3.7
Flowchart design and development
Macintosh Plus or larger; System 6.0 or later.
$345 retail
Mainstay; 591-A Constitution Ave.; Camarillo, CA 93012; 805-484-9400 or 805-484-9428 (fax)

MachTen X Software
X Client, Motif and X Server software
Macintosh Classic or larger; 8 MB of RAM; hard disk drive; MachTen Personal or Professional.
$350 retail
Tenon Intersystems; 1123 Chapala St.; Santa Barbara, CA 93101; 805-963-6983 or 805-962-8202 (fax)

Macintosh Programmer's Workshop V3.2.3
Development system
Macintosh with 68020 processor or larger; 4 MB of free RAM (8 MB recommended); hard disk drive; System 7 or later.
$150 retail; MPW Development Environment
$150 retail; MPW Assembler
$150 retail; MPW C
$150 retail; MPW Object Pascal
$175 retail; MPW C++
MPW is available in specially priced bundles and CD-ROM-based products
APDA — Apple Computer, Inc.; PO Box 319; Buffalo, NY 14207; 716-871-6555, 800-282-2732 or 716-871-6511 (fax)

MacMumps 5.10B
Mumps programming language
Macintosh with 68020, 68030 or 68040 processor; 2 MB of RAM.
$495 retail
MGlobal; 2900 Weslayan, Ste. 415; Houston, TX 77027; 713-960-0205 or 713-960-1522 (fax)

MacParlog 2.0
Implementation of the parallel logic programming language, Parlog
Macintosh Plus or larger; 2 MB of RAM.
$540 retail; educational discounts available
Parallel Logic Programming Ltd.; PO Box 49; Twickenham; London, UK TW2 5PH; 0454-201652 or 081-874-0449 (fax)

MacsBug 6.2.2
Machine language debugger
Macintosh Plus or larger.
$34.95 retail
APDA — Apple Computer, Inc.; PO Box 319; Buffalo, NY 14207; 716-871-6555, 800-282-2732 or 716-871-6511 (fax)

■ MacSource CD-ROM
Source code, compilers, interpreters, utilities and tips
Macintosh Plus or larger; System 6.0.5 or later; CD-ROM drive.
MacSource CD-ROM is a collection of source code, compilers, interpreters, utilities and tips for Macintosh developers. Source code for every popular compiler and interpreter gives useful demonstrations on how to program the Macintosh. MacSource includes: more

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than a dozen full language implementations; the GNU C, C++, Flex and Bison compilers; several assemblers, Basic interpreters and more; Larry Wall's Perl scripting language; utilities for all the major programming environments; and hundreds of megabytes of source code, from INITs to full applications.
$49.95 retail
Pacific HiTech, Inc.; 4530 Fortuna Way; Salt Lake City, UT 84124; 801-278-2042, 800-765-8369 or 801-278-2666 (fax)

MacTopix CD-ROM Simulator
CD-ROM simulation system
Macintosh SE or larger; 2 MB of RAM; System 6.0.7 or later.
$495 retail
Optical Media International; 180 Knowles Dr.; Los Gatos, CA 95030; 408-376-3511, 800-347-2664 or 408-376-3519 (fax)

MacYACC V4.0
Generates ANSI C source code for building assemblers, compilers, interpreters, browsers, page description languages, language translators, syntax directed editors and query languages
Macintosh 512K or larger; MPW.
$495 retail; professional version
Abraxas Software, Inc.; 5530 SW Kelly Ave.; Portland, OR 97201; 503-244-5253 or 503-244-8375 (fax)

Making It Macintosh: The Macintosh Human Interface Guidelines Companion
The perfect complement to the standard reference in the field of Macintosh interface design
Macintosh LC or larger; 5 MB of RAM; 13-inch color monitor; QuickTime (QuickTime Extension included); System 7.0 or later; CD-ROM drive.
$39.95 retail
Addison-Wesley Publishing Co.; 1 Jacob Way; Reading, MA 01867; 617-944-3700, 800-358-4566 or 617-944-8243 (fax)

Mantis Desktop Dimmer Construction Kit
Tools necessary to build stand-alone Desktop Dimmer screen savers
Macintosh Classic or larger; System 6.0.5 or later running MultiFinder or System 7.0 or later.
Free
Mantis Development Corp.; 1357 Washington St.; West Newton, MA 02165; 617-969-6434, 800-230-6434 or 617-739-6328 (fax)

Mantis Pattern Development Toolkit
Development tool; gives users the ability to create Pixel Pattern ("ppat") savvy products
Macintosh Classic or larger; System 6.0.5 or later running MultiFinder or System 7.0 or later.
Free
Mantis Development Corp.; 1357 Washington St.; West Newton, MA 02165; 617-969-6434, 800-230-6434 or 617-739-6328 (fax)

Marksman
Graphical program creation tool
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.7 or later.
$125 retail
IT Makers; PO Box 730152; San Jose, CA 95173; 408-274-8669

MARS Shuttle
Application program interface
Macintosh with 68020 processor or larger; System 6.0.5 or later.
Call for pricing
Micro Dynamics, Ltd.; 8555 16th St., 7th Fl.; Silver Spring, MD 20910; 301-589-6300 or 301-589-3414 (fax)

Matrix Engine 2.2
Macintosh List Manager replacement and much more
Macintosh Plus or larger; 1 MB of RAM; Think C, Think Pascal or MPW.
$1,500 retail
DataPak Software; 9317 NE Hwy. 99, Ste. G; Vancouver, WA 98665; 206-573-9155 or 206-573-9269 (fax)

MaxSPITBOL
Implementation of the SNOBOL4 programming language
Macintosh Plus or larger; System 6.0 or later.
$195 retail
Catspaw, Inc.; PO Box 1123; Salida, CO 81201; 719-539-3884 or 719-539-4830 (fax)

MediaMogul Mac Pak
CD-i development software
Macintosh II or larger; 4 MB of RAM; Philips 605 CD-i development player.
$7,500 retail
OptImage Interactive Services Co.; 1501 50th St., Ste. 100; West Des Moines, IA 50266; 515-225-7000, 800-234-5484 or 515-225-0252 (fax)

MemManager 1.1
Helps prevent unexpected program crashes
Macintosh Plus or larger; 1 MB of RAM.
$750 retail
$250 retail; personal license
DataPak Software; 9317 NE Hwy. 99, Ste. G; Vancouver, WA 98665; 206-573-9155 or 206-573-9269 (fax)

Metacheck And Metacals
Conformance analyzers
Macintosh II; A/UX.
Call for pricing
Advanced Technology Center; 22982 Mill Creek Dr.; Laguna Hills, CA 92653; 714-583-9119 or 714-583-9213 (fax)

Metrowerks CodeWarrior
Native devlopment environment for PowerPC
Macintosh with 68020 or larger processor or PowerPC 601 processor; 8 MB of RAM; System 7.1 or later.
$100 retail; Bronze
$299 retail; Silver
$399 retail; Gold
Metrowerks, Inc.; The Trimex Bldg., Rte. 11; Mooers, NY 12958; 514-458-2018, 800-247-6553 or 514-458-2010 (fax)

Mini IDL
Data management tool
Macintosh Plus or larger; Think C 5.0 or later.
$50 retail
Persistent Data Systems, Inc.; PO Box 38415; Pittsburgh, PA 15238; 412-963-1843 or 412-963-1846 (fax)

Moby Language
Collection of word lists for five major world languages
Macintosh 512K or larger.
$99 retail
Grady Ward; 3449 Martha Ct.; Arcata, CA 95521; 707-826-7715 (phone/fax)

Mug Shot III
Provides a system profile that can be quickly expanded
Macintosh 512KE or larger; System 6.0 or later.
$250 starting price (per year) retail; license
Mi Concepts; PO Box 8822; Kentwood, MI 49508; 616-765-3312, ext. 14 or 616-765-3325 (fax)

Oasys 68000/10/20/30/40 + 68881/851/332 Macro Assembler/Linker System
Macro assembler, linker, librarian, cross-reference utility and symbol file formatter utility
Macintosh II; 2 MB of RAM.
Call for pricing
Oasys, Inc.; One Cranberry Hill; Lexington, MA 02173; 617-862-2002 or 617-863-2633 (fax)

Oasys 680x0 Optimizing Native And Cross Compilers
C, C++, Pascal and Fortran optimizing compilers
Macintosh II; 2 MB of RAM.
Call for pricing
Oasys, Inc.; One Cranberry Hill; Lexington, MA 02173; 617-862-2002 or 617-863-2633 (fax)

Oasys 88000 Macro Assembler/Linker System
Macro assembler, linker, librarian, cross-reference utility and symbol file formatter utility
Macintosh II; 2 MB of RAM; A/UX.
Call for pricing
Oasys, Inc.; One Cranberry Hill; Lexington, MA 02173; 617-862-2002 or 617-863-2633 (fax)

Oasys 88000 Optimizing Cross Compilers
C, C++, Fortran and Pascal compilers
Macintosh II; 2 MB of RAM; A/UX.
Call for pricing
Oasys, Inc.; One Cranberry Hill; Lexington, MA 02173; 617-862-2002 or 617-863-2633 (fax)

Oasys 88000 Simulator
Allows users to create a complete 88000 RISC run-time environment on a non-88000 system
Macintosh II; 2 MB of RAM; A/UX.
Call for pricing
Oasys, Inc.; One Cranberry Hill; Lexington, MA 02173; 617-862-2002 or 617-863-2633 (fax)

Object Logo 2.6
Object-oriented implementation of Logo
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$195 retail; single-user license
$341 retail; five-license pack
$487 retail; 10-license pack
$585 retail; 20-license pack
Paradigm Software, Inc.; PO Box 2995; Cambridge, MA 02238; 617-576-7675 or 617-576-7680 (fax)

Object Logo Student Edition
Environment for learning and applying the concepts of computer programming; ages 11 and up
Macintosh Plus or larger; System 6.0.4 or later.
$49.95 retail; single-user license
$15 retail; Robotics Module and Documentation
$10 retail; MIDI Module and Documentation
Paradigm Software, Inc.; PO Box 2995; Cambridge, MA 02238; 617-576-7675 or 617-576-7680 (fax)

Object Master Universal
Development tool for procedural and object-oriented programming
Macintosh Plus or larger; 2 MB of RAM; hard disk drive with 2 MB of free space; System 6.0.5 or later.
$395 retail
ACI US Inc.; 20883 Stevens Creek Blvd.; Cupertino, CA 95014; 408-252-4444, 800-384-0010 or 408-252-0831 (fax)

Occam Explorer
Compiler and interpreter for learning about parallel processing
Macintosh Plus or larger.
$125 retail
Pacific Parallel Research, Inc.; 922 Grange Hall Rd.; Cardiff by the Sea, CA 92007; 619-436-1455 (phone/fax)

On-Line Help Construction Kit 2.1.1
Generates and supports a hierarchical and user-activated help system in any Macintosh application
Macintosh Plus or larger; 1 MB of RAM; Think C V4.0 or later, Think Pascal or MPW.
$1,100 retail
DataPak Software; 9317 NE Hwy. 99, Ste. G; Vancouver, WA 98665; 206-573-9155 or 206-573-9269 (fax)

OSF/Motif
User and development environment
Macintosh II; 5 MB of RAM; A/UX 3.0.
Call for pricing
Integrated Computer Solutions, Inc.; 201 Broadway; Cambridge, MA 02139; 617-621-0060 or 617-621-9555 (fax)

Overview Of Object-Oriented Analysis And Design Methods CD-ROM
Overview of O-O methods
Macintosh Plus or larger; CD-ROM drive.
Object-Oriented methodologies can be grouped into three primary classes: Data-Centered, Scenario-Based and Structural. All three of these approaches can contribute significantly to understanding the requirements and design of a system. ICONIX believes that each of the above approaches has some validity, but none of them are complete and optimal for all systems. In fact, even within a single system, one methodology

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may not be optimal for describing all aspects of the analysis and design. With this in mind, ICONIX has introduced a survey training course on CD-ROM that will help users select the most appropriate methodologies for their specific project. This state-of-the-art training tool offers an in-depth comparative overview of various popular OOA and OOD methods, and also highlights the best application of each methodology. The CD-ROM also includes full multimedia presentation, including step-by-step narrative explanations and interactive demonstrations of Booch, Rumbaugh, Jacobsen and Coad/Yourdon approaches, in addition to guidelines for determining which methods are appropriate for different aspects of development projects.
$995 retail
ICONIX Software Engineering, Inc.; 2800 28th St., Ste. 320; Santa Monica, CA 90405; 310-458-0092 or 310-396-3454 (fax)

Paige 1.0
Cross-platform library to develop multiplatform applications
Macintosh System 6.x or later; Power Macintosh Windows 3. (WIN16 or WIN 32).
$3,500 retail; first platform
$500 retail; each additional platform
DataPak Software; 9317 NE Hwy. 99, Ste. G; Vancouver, WA 98665; 206-573-9155 or 206-573-9269 (fax)

PHIGURE V2.1
Graphics library
Macintosh II; A/UX 2.0 or 3.0.
$3,000 U.S. retail
G5G; Parc D'Activites Chateau Rouquey; PO Box 168; Merignac Cedex, France 33708; (33) 56-34-82-48 or (33) 56-13-02-10

PICT Detective V2.02
Gives a complete description of any valid QuickDraw picture
Macintosh 512KE or larger.
$125 retail
Palomar Software, Inc.; PO Box 120; Oceanside, CA 92049; 619-721-7000 or 619-721-4758 (fax)

PictureCDEF
Allows developers to put that cutting-edge, puffy button look into applications
Macintosh Plus or larger; System 6.0.4 or later.
$45 retail; multiproduct object code
$95 retail; source code
Paradigm Software; PO Box 688; Concordia, MO 64020; 816-463-2217

Professional IDL
For C programmers manipulating complex data
Macintosh Plus or larger; Think C 5.0 or later.
$400 retail
Persistent Data Systems, Inc.; PO Box 38415; Pittsburgh, PA 15238; 412-963-1843 or 412-963-1846 (fax)

Programmer's "Bag Of Tricks" 1.1
Programming routines designed to fill the gaping holes in the Macintosh Toolbox
Macintosh Plus or larger; 1 MB of RAM; Think C, Think Pascal or MPW.
$500 retail
DataPak Software; 9317 NE Hwy. 99, Ste. G; Vancouver, WA 98665; 206-573-9155 or 206-573-9269 (fax)

Prograph 2.5
Visual programming environment
Macintosh Plus or larger.
$495 retail
Prograph International Inc.; 2745 Dutch Village Rd., Ste. 200; Halifax, Nova Scotia, Canada B3L 4G7; 902-455-4446, 800-565-1978 or 902-455-2246 (fax)

Qued/M 2.6
Quality editor with macros
Macintosh 512K or larger.
$149 retail
Nisus Software, Inc.; PO Box 1300; 107 S. Cedros Ave.; Solana Beach, CA 92075; 619-481-1477, 800-922-2993 or 619-481-6154 (fax)

QuickControl 1.0
Animation control for ViewIt
Macintosh Plus or larger; System 6.0.7 or later; QuickTime; FaceWare's ViewIt module.
$75 retail
FaceWare; 1310 N. Broadway; Urbana, IL 61801; 217-328-5842

QuickHelp
Context-sensitive hypertext help system
Macintosh with 68000 CPU or larger; 2 MB of RAM; System 6.0.5 or later.
$495 retail; developer kit
Altura Software, Inc.; 510 Lighthouse Ave. Ste. 5; Pacific Grove, CA 93950; 408-655-8005 or 408-655-9663 (fax)

QuickView
Microsoft Multimedia Viewer-compatible player
Macintosh with 68020 CPU or larger; 2 MB of RAM (4 MB recommenced); System 6.0.5 or later.
$495 retail; developer kit
Altura Software, Inc.; 510 Lighthouse Ave. Ste. 5; Pacific Grove, CA 93950; 408-655-8005 or 408-655-9663 (fax)

ReferenceSet
CD-ROM development tools
Macintosh Plus or larger.
Call for pricing
Dataware Technologies, Inc.; 222 Third St.; Cambridge, MA 02142; 617-621-0820 or 617-621-0307 (fax)

ResEdit V2.1.1
Graphical resource editor
Macintosh Plus or larger.
$29.95 retail
APDA — Apple Computer, Inc.; PO Box 319; Buffalo, NY 14207; 716-871-6555, 800-282-2732 or 716-871-6511 (fax)

Resorcerer 1.2.4
Resource editor
Macintosh Plus or larger; 2 MB of RAM; 1.5 MB hard disk drive; System 6.0 or later.
$256 retail
$177 retail; educational
Quantity discounts and free demo disks available
Mathemaesthetics, Inc.; PO Box 298; Boulder, CO 80306; 303-440-0707 or 303-440-0504 (fax)

Rio Command Package
Productivity tools and system utilities for A/UX and other platforms
Macintosh SE/30 or larger; A/UX 2.0.1 or later.
$189 retail; per user
$1,890 retail; per site license
Ganusa; 34532 Northstar Ter.; Fremont, CA 94555; 510-790-2254 or 510-793-1187 (fax)

Rulers 2.2
Object code module
Macintosh SE or larger; MPW or Think Pascal or C programming environment; Word Solution Engine.
$900 retail; object code
Call for source code pricing
DataPak Software; 9317 NE Hwy. 99, Ste. G; Vancouver, WA 98665; 206-573-9155 or 206-573-9269 (fax)

SADE (Symbolic Application Debugging Environment) V1.3.2
Source-level, symbolic debugging environment
Macintosh with 68020 processor or larger; 2 MB of free RAM; hard disk drive; System 7 or later.
$150 retail
APDA — Apple Computer, Inc.; PO Box 319; Buffalo, NY 14207; 716-871-6555, 800-282-2732 or 716-871-6511 (fax)

Script-Ease
Utility for editing scripts compatible with Apple's Installer utility
Macintosh Plus or larger.
$129 retail
Glen Canyon Software; 3921 Shasta View; Eugene, OR 97405; 503-345-6360, 800-477-6947 or 503-345-6503 (fax)

ScriptGen Pro
Provides a point-and-click interface for generating scripts for Apple's Installer
Macintosh Plus or larger; System 7.0 or later.
$169 retail
$219 retail; InstallerPack
StepUp Software; 7110 Glendora Ave.; Dallas, TX 75230; 214-360-9301

ScriptIt 1.1
AppleScript manager
Macintosh Plus or larger; System 7.0 or later.
$95 retail
FaceWare; 1310 N. Broadway; Urbana, IL 61801; 217-328-5842

■ **ScriptWizard**
Provides scripters with an OSA-compatible editing environment
Macintosh with 68020 processor or larger; 4 MB of RAM; hard disk drive; AppleScript 1.1; System 7.1 or later.
ScriptWizard provides Macintosh scripters with an OSA-compatible editing environment with full testing and debugging facilities, speeding script development. ScriptWizard features an editor that allows easy navigation of complex scripts through the inclusion of a "Locator" pop-up menu from which users can instantly jump to any handler or property definition in their script. ScriptWizard's Variable-Watcher supplies the ability to see the contents of each variable as the script is executing, and watch changes step by step using the single-stepping mechanism provided. The Event Logger tracks and displays each Apple event and can optionally allow logs to be appended so that users can capture the results of a sequence of tests without losing log data. Other features, such as the improved script window design, "ver-control" toolbar and ScriptWizard's dictionary browsers, are intuitively laid out to enhance scripter productivity.
$99 retail
Full Moon Software, Inc.; PO Box 700237; San Jose, CA 95170; 408-253-7199 or 408-252-2378 (fax)

SCSI Tool
Assists in the development of SCSI hardware and software
Any Macintosh with SCSI port.
$175 retail; also available from APDA
Arborworks, Inc.; 431 Virginia Ave.; Ann Arbor, MI 48103; 313-747-7087, 800-346-6980 or 313-747-8775 (fax)

SCSI View
Assists in the development of SCSI hardware and software
Macintosh Plus or larger.
S165 retail; also available from APDA
Arborworks, Inc.; 431 Virginia Ave.; Ann Arbor, MI 48103; 313-747-7087, 800-346-6980 or 313-747-8775 (fax)

Silverrun-Application Development Environment
Development and maintenance environment for building distributed applications
Macintosh with 68030/68040 processor; 8 MB of RAM; hard disk drive; System 7.0 or later.
Call for pricing
Computer Systems Advisers, Inc.; 50 Tice Blvd.; Woodcliff Lake, NJ 07675; 201-391-6500, 800-537-4262 or 201-391-2210 (fax)

Smalltalk/V 2.0 For Macintosh
Implementation of the Smalltalk programming language
Macintosh Plus or larger; 4 MB of free disk space; System 7.0 or later.
$495 retail
Digitalk, Inc.; 5 Hutton Centre Dr.; Santa Ana, CA 92707; 714-513-3000, 800-922-8255 or 714-513-3100 (fax)

SmalltalkAgents
Tool for authoring applications and agents
Macintosh with 68xxx or Power Chip series; 5 MB of RAM with MultiFinder.
$695 U.S. retail; call for international price

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* See listing under Programming Tools/CASE, or call (310) 458-0092.

Quasar Knowledge Systems, Inc. (QKS); 9818 Parkwood Dr.; Bethesda, MD 20814; 301-530-4853, 800-296-1339 or 301-530-5712 (fax)

Snippets — AppleScript Package
Source code snippet manager and examples
Macintosh Plus or larger; 1 MB of RAM; System 7.0 or later.
$79 retail;
$99 retail; including Decoder Ring
IT Makers; PO Box 730152; San Jose, CA 95173; 408-274-8669

SoftPolish
Quality assurance tool
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later (System 7 recommended).
$295 retail
$985 retail; five pack
Language Systems Corp.; 100 Carpenter Dr.; Sterling, VA 20164; 800-252-6479 or 703-689-9593 (fax)

SoftQuad ApplicationBuilder
Development environment for customizing SoftQuad's Author/Editor
Macintosh with 8 MB of RAM.
Call for pricing
SoftQuad Inc.; 56 Aberfoyle Crescent, Ste. 810; Toronto, Ontario, Canada M8X 2W4; 416-239-4801 or 416-239-7105 (fax)

Source Code Tutorial For Macintosh
Sample application to learn programming in C or Pascal
Macintosh Plus or larger; MPW C, Think C, MPW Pascal or Think Pascal; System 6.0.5 or later.
$69.95 each retail
Bear River Associates, Inc.; PO Box 1900; Berkeley, CA 94701; 510-644-9400

SourceBug V1.0.1
Source-level symbolic debugging environment
Macintosh Plus or larger (Macintosh II recommended); 2.5 MB of RAM; hard disk drive; MPW V3.2 or later; System 7 or later; MacApp V2.0 or later (if debugging a program built with MacApp).
$100 retail
APDA — Apple Computer, Inc.; PO Box 319; Buffalo, NY 14207; 716-871-6555, 800-282-2732 or 716-871-6511 (fax)

SourceSafe
Project-oriented version control system
Macintosh Plus or larger; MPW; System 7.0 or later.
$295 per user retail
One Tree Software; PO Box 11639; Raleigh, NC 27604; 919-821-2300, 800-397-2323 or 919-821-5222 (fax)

Spinnaker PLUS
Object-oriented hypermedia tool
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.
$495 retail
Spinnaker Software Corp.; 201 Broadway, 6th Fl.; Cambridge, MA 02139; 617-494-1200, 800-323-8088, ext. 555 or 617-494-1219 (fax)

Stonehand Composition Toolbox
Object-oriented text formatting engine
Macintosh Plus or larger (Macintosh II recommended).
Call for pricing; OEMs only
Stonehand, Inc.; 118 Magazine St.; Cambridge, MA 02139; 617-864-5524 or 617-864-4965 (fax)

Stonehand Composition Workstation Tools
Object-oriented page-layout toolbox
Macintosh SE or larger.
Call for pricing; OEM licenses only
Stonehand, Inc.; 118 Magazine St.; Cambridge, MA 02139; 617-864-5524 or 617-864-4965 (fax)

StuffIt Action Atoms
Allow developers using the Apple Installer to take advantage of Aladdin Systems' StuffIt compression technology
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; MPW; System 6.0.5 or later.
Call for licensing information
Aladdin Systems, Inc.; 165 Westridge Dr.; Watsonville, CA 95076; 408-761-6200 or 408-761-6206 (fax)

StuffIt InstallerMaker
Turnkey system that allows developers and product managers to create custom installers for their products
Macintosh Classic or larger; 4 MB of RAM; hard disk drive; System 6.0.5 or later.
Call for licensing information
Aladdin Systems, Inc.; 165 Westridge Dr.; Watsonville, CA 95076; 408-761-6200 or 408-761-6206 (fax)

TAOS
BBx developer's workbench
Macintosh SE/30 or II family; A/UX 2.0 or later.
$1,000 retail
Basis International, Ltd.; 5901 Jefferson St. NE; Albuquerque, NM 87109; 505-345-5232 or 505-345-5082 (fax)

Think Reference 2.0
Online reference
Macintosh Plus or larger; 1 MB of RAM (2 MB recommended); hard disk drive; System 6.0 or later.
$129 retail
Symantec Corp.; 10201 Torre Ave.; Cupertino, CA 95014; 800-441-7234 or 800-626-8847 in CA

Uniface 5.2
Client-server application development
Macintosh with 68030 processor or larger; 4 MB of RAM; System 7.0.1 or later.
Call for pricing
Uniface; 1320 Harbor Bay Pkwy., Ste. 100; Alameda, CA 94502; 510-748-6145, 800-365-3608 (sales) or 510-748-6150 (fax)

UserLand Frontier
Development platform for utilities that automate, customize and simplify the Macintosh operating system, file system, networks and System 7-compatible applications
Macintosh II or larger; 1 MB of RAM; System 7.
$495 retail
$139 U.S./Canada retail; Power Macintosh upgrade
$149 International retail; Power Macintosh upgrade
UserLand Software; 400 Seaport Ct.; Redwood City, CA 94063; 415-369-6600 or 415-369-6618 (fax)

Verbum Development System
Arabic object-oriented programming language; a compiled language based on Lisp and Logo
Macintosh Plus or larger.
$1,200 retail
Paradigm Software, Inc.; PO Box 2995; Cambridge, MA 02238; 617-576-7675 or 617-576-7680 (fax)

ViewIt 2.2
Advanced window designer and manager
Macintosh Plus or larger; System 6.0.5 or later.
$95 retail
FaceWare; 1310 N. Broadway; Urbana, IL 61801; 217-328-5842

Virtual Memory 2.2
Disk caching module
Macintosh SE or larger; MPW, Think, Pascal or C programming environment; Word Solution Engine.
$700 retail; object code
Call for source code pricing
DataPak Software; 9317 NE Hwy. 99, Ste. G; Vancouver, WA 98665; 206-573-9155 or 206-573-9269 (fax)

Virtual User 2.0
Automated testing system
Macintosh Plus or larger; 1 MB of RAM (hard disk drive and 2 MB of RAM recommended with System 7); AppleTalk network connecting to the host; System 6.0.3 or later. Host requires Macintosh Plus or larger; 4 MB of RAM; hard disk drive; System 7.0 or later.
$150 retail
APDA — Apple Computer, Inc.; PO Box 319; Buffalo, NY 14207; 716-871-6555, 800-282-2732 or 716-871-6511 (fax)

VisionSoft
Software analyzer
Any Macintosh.
$999 retail
MetaLINK Corp.; 1999 S. Bascom Ave., Ste. 700; Campbell, CA 95008; 408-879-2672 or 408-879-2307 (fax)

VisualWorks
Object-oriented programming tool
Macintosh with 68020, 68030 or 68040 processor; 8 MB of RAM; hard disk drive; System 7.0 or later.
$2,995 retail; educational pricing available
ParcPlace Systems, Inc.; 999 E. Arques Ave.; Sunnyvale, CA 94086; 408-481-9090, 800-759-7272 or 408-481-9095 (fax)

Word Solution Engine 2.2
Programmers tool for text editing
Macintosh SE or larger; MPW or Think Pascal or C programming environment.
$1,500 retail; object code
Call for source code pricing
DataPak Software; 9317 NE Hwy. 99, Ste. G; Vancouver, WA 98665; 206-573-9155 or 206-573-9269 (fax)

Word Solution Engine Add-Ons 2.2
Programming tools
Macintosh SE or larger; MPW, Think C or Pascal programming environment; Word Solution Engine.
$1,200 each retail; Picture Graphics, Pagination (object code)
$750 retail; Search & Replace (object code)
$600 retail; Extended Styles (object code)
Call for source code pricing
DataPak Software; 9317 NE Hwy. 99, Ste. G; Vancouver, WA 98665; 206-573-9155 or 206-573-9269 (fax)

■ **Work Flow Analyzer**
Data modeling and analysis
Macintosh IIfx, Centris or Quadra; 32 MB of RAM; System 7.0 or later.
Meta Software has released Design/IDEF version 3.0, containing completely redeveloped IDEF1X data modeling capabilities, improved IDEF0 process modeling, continued enhancements to import/export facilities for ABC, AML, SML and IDL, and a new integrated glossary that supports definitions of activities and ICOMs. It provides an interface to KnowledgeWare's ADW CASE toolset. Design/IDEF is a modeling front-end to Meta's WorkFlow Analyzer for Business Process Redesign, to achieve dramatically improved performance in costs, quality, service and speed. Automatically translates IDEF0 workflow models into dynamic simulation models for analysis of bottlenecks, resource utilization and operating costs. Models can be tested under differing "what if" scenarios to show the results of proposed business changes; reporting includes both integrated spreadsheets and easy-to-interpret graphs.
$34,995 retail
Meta Software Corp.; 125 CambridgePark Dr.; Cambridge, MA 02140; 617-576-6920, 800-227-4106 or 617-661-2008 (fax)

XMWS
X-Windows-based ATS compliant server
VAX X-Windows or terminal workstation.
$500 per single copy retail; run-time license
$5,000 per single copy retail; developer's license
Integrated Solutions, Inc.; 1020 8th Ave.; King of Prussia, PA 19406; 215-660-0781 or 215-664-3646 (fax)

■ **XVT Development Solution For C**
Multiplatform GUI development tool
Any Macintosh.
The XVT Development Solution for C pairs XVT-Design, a visual GUI layout, prototyping and code generation with the XVT Portability Toolkit, a thin-layered API, XVT Portability Toolkit-compatible C source code, application resources and makefiles. Applications developed with the XVT Development Solution for C will have native look and feel and single source portability to seven different GUIs and more than 30 hardware platforms. Supported GUIs include: Microsoft Windows, Windows NT, Macintosh, OS/2,

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OSF/Motif for Unix and VMS, Open Look and Character Screens for DOS, Unix and VMS.
$1,950 to $6,300 retail
XVT Software Inc.; 4900 Pearl East Cir.; Boulder, CO 80301; 303-443-4223, 800-678-7988 or 303-443-0969 (fax)

■ **XVT Development Solution for C++**
Application framework
Any Macintosh.

The XVT Development Solution for C++ features XVT-Power++, a true application framework with powerful features, such as Field Validation, Drag and Drop, Environment Inheritance, Nested Views, Geometry Management, Imaging and the completely integrated Rogue Wave data structures. Combined with the XVT Portability Toolkit, a thin-layered API that provides native look and feel and single source portability. XVT-Power++ offers complete portability to six different GUIs, including: Microsoft Windows, Windows NT, Macintosh OS/2, OSF/Motif for Unix and VMS and Open Look.
$1,950 to $6,300 retail; depending on platform
XVT Software Inc.; 4900 Pearl East Cir.; Boulder, CO 80301; 303-443-4223, 800-678-7988 or 303-443-0969 (fax)

Project Management

AEC Information Manager
Project management
Macintosh with 1 MB of RAM.

AEC Information Manager is a project-oriented database that provides a project manager with the means to automate, schedule, organize and track correspondence, transmittals, suppliers and vendors, subcontractors, clients, equipment, proposals and much more. The program is designed to organize project information from start to finish, and on-screen status and professional-looking reports can be created and printed out at any time. User-defined reports allow unlimited content options, and all fields can be searched and included in any order in any number of reports. In addition, program reports are dynamic; as data or times and dates change, so do the reports. Other program features include a project log, work calendar, submittal log, note pad (mini word processor), global alarm; find and replace; and allows viewing information in either numeric or Gantt chart formats.
$695 retail
AEC Software; 22611 Markey Ct., Bldg. 113; Sterling, VA 20166; 703-450-1980, 800-346-9413 or 703-450-9786 (fax)

Artemis Schedule Publisher 4.1
Graphical planning and scheduling tool
Macintosh Plus or larger; 4 MB of RAM; 40 MB hard disk drive; System 6.0 or later.

Artemis Schedule Publisher is a graphical planning and scheduling tool that provides advanced project management functions without sacrificing ease of use or performance. It uses modern graphical user interface (GUI) technology to reduce learning time and improve user efficiency. Interactive barcharts and network logic diagrams are integrated with dynamic resource histograms and flexible, spreadsheet-style tables to reduce data entry time and improve information access. A distinctive feature of the system is its real-time processing of schedule, cost and resource information to provide instant answers to support rapid decisions. Artemis Schedule Publisher provides a uniquely flexible approach to reporting through a Publishing module that integrates with graphic design and drawing tools to produce high-quality, tailored report formats.
$1,995 retail
Lucas Management Systems; 12701 Fair Lakes Cir., Ste. 350; Fairfax, VA 22033; 703-222-1111, 800-477-6648 or 703-222-8203 (fax)

Business Budgeting Toolkit
Real management for real businesspeople
Macintosh Plus or larger; Microsoft Excel 3.0 or later, Lotus 1-2-3 Mac or compatible spreadsheet.

The Business Budgeting Toolkit gives users a simple way to develop realistic budgets, keep track of milestone dates and follow up with tracking of actual results and dates. This is the way to set specific goals and budgets and get it done, on time and on budget. The Business Budgeting Toolkit can be used to develop budgets for a user's business, business group, project or division. Users set up specific activities with monthly expense budgets, completion dates and responsibility assignments; evaluate on fixed and variable spending, or controlled and uncontrolled; summarize planned or actual spending by group, function or person responsible; illustrate budgets with pre-programmed business pie charts and bar graphs; print charts and reports; and integrate the budget with other business planning and forecasting spreadsheets. Other features include: links strategy to budgets; tracks plan vs. actual spending; simplifies follow through; excellent documentation; and includes a valuable implementation guide.
$149.95 retail
Palo Alto Software; 144 E. 14th Ave.; Eugene, OR 97401; 503-683-6162, 800-229-7526 or 503-683-6250 (fax)

CB CoCoMo
Allows software developers to reliably estimate the time and cost of a software development project
Macintosh Plus or larger; 2 MB of RAM recommended.

CB CoCoMo solves the "vaporware" problem by integrating two established technologies: the Constructive Cost Model (CoCoMo) and Crystal Ball's Monte Carlo Simulation. With Monte Carlo Simulation, users can assign a range of numbers with probabilities to each input variable, such as program size or programmer ability, rather than one firm number. Instead of a single result, the output from the program is a range of possible estimates, showing the best case, worst case and most likely schedules and budgets. Users can then determine deadlines with a given probability of being achieved. For example, a company might announce a product's delivery date using a schedule that has a 90 percent chance of being met.
$195 retail; CB CoCoMo
$395 retail; Crystal Ball and CB CoCoMo bundled
Decisioneering, Inc.; 1600 Stout St., Ste. 700; Denver, CO 80202; 303-292-2291, 800-289-2550 or 303-534-2118 (fax)

CoCoPro
Estimates resources for software development projects
Macintosh II or larger.

CoCoPro estimates resources needed to complete a software development project. The program uses exponential functions and attributes to calculate development costs. The former provide the basic formulae, the latter furnish the modifiers — parameter settings pertinent to a specific project. These modifiers cover personnel experience and capabilities, project complexity, product factors and hardware limitations. To compute costs, a user enters salary/overhead costs and code length information into the system, selects attribute and model levels and CoCoPro provides the calculations. Input includes personnel cost per month, code length, attribute levels and model selection. Output includes cost per code line and entire project, development time and time distribution over project phrases. The tool allows users to calibrate the cost drivers based on actual history.
$1,495 retail
ICONIX Software Engineering, Inc.; 2800 28th St., Ste. 320; Santa Monica, CA 90405; 310-458-0092 or 310-396-3454 (fax)

Cost/Schedule Workshop (CSW)
Tools to manage a project's cost and schedule
Macintosh SE or larger; hard disk drive; System 6.0 or later.

The Cost/Schedule Workshop (CSW) is a collection of tools designed specifically to meet the needs of managing a project's cost, schedule and risk. Each tool performs independently with capability to exchange information among CSW tools and other applications. RAM produces project status and information matrixes, dictionaries, indexes, risk assessment, automatic coding and project budget baseline information based on project data for each WBS, OBS and Cost Account within a project. PMDA produces analysis reports, charts, commentary and completion forecasts based on performance measurement data for each WBS and Cost Account within a project. FEAC produces a schedule critical Estimate at Completion for each WBS and Cost Account within a project based on performance measurement data and key schedule sensitive empirical data.
$995 retail; RAM 2.0 (Responsibility Assignment Matrix)
$595 retail; PMDA 4.0 (Performance Measurement Data Analysis)
$295 retail; FEAC 2.0 (Forecasted Estimate at Completion)
Leckie Associates, Inc.; PO Box 160; Merrimack, NH 03054; 603-424-7014 or 603-429-3428 (fax)

■ **Design Estimator**
Estimating, bidding and quoting system
Macintosh II or larger; 4 MB of RAM; System 7.0 or later; hard disk drive with 9 MB of free space.

Design Estimator is an estimating, bidding and quoting system that has produced accurate and quick results in more than 240 industries. Estimator was specifically designed to reduce the amount of time and effort spent calculating labor and materials costs. Now users can draw floorplans and any other home designs with any of Abracadata's Design Your Own Home programs, then estimate the cost of the projects before building them. Drawings are estimated in seconds without re-typing, and the budget can be tracked by programs like Quicken.
$99.95 retail
Abracadata, Ltd.; PO Box 2440; Eugene, OR 97402; 503-342-3030, 800-451-4871 (sales) or 503-683-1925 (fax)

EPlanner 2.0
Project planner based on the gantt chart
Macintosh 512K or larger.

EPlanner, formerly Endeavour Planner, is a project planning and tracking application that has a simple, interactive, fully graphical interface. Users work directly with a gantt chart. Changing the position or duration of items on the chart automatically and visibly readjusts the scheduling of items. Users also have the option of locking tasks and deadlines on the gantt charts so they cannot be automatically moved, but must be specifically changed by a user. Dependencies between tasks, milestones and task duration can all be set and modified. Users can also track actual project time vs. planned project time. Each project has a calendar that can be used to specify holidays, partial work days and working hours for any day of the week. Any changes to the calendar are incorporated into the project. Time scales can be updated to display intervals from 15 minutes to four weeks.
$255 retail
SoftStream International, Inc.; 106 State Rd.; N. Dartmouth, MA 02747; 508-991-4011, 800-262-6610 or 508-991-4223 (fax)

FastTrack Resource
Resource allocation tool
Macintosh Plus or larger; 1 MB of RAM.

FastTrack Resource is a simple resource allocation tool for managing people, rooms, equipment, time and activities. It equips managers with the information necessary to make the decisions to best allocate resources to meet deadlines. FastTrack Resource gives answers to typical management questions: When does a project need to be completed? Which resources are qualified to work on the project? Where are the rest of my resources? Which resources are available?
$249 retail
AEC Software; 22611 Markey Ct., Bldg. 113; Sterling, VA 20166; 703-450-1980, 800-346-9413 or 703-450-9786 (fax)

FastTrack Schedule 2.1
Allows users to create and update presentation Gantt charts
Macintosh Plus or larger; 1 MB of RAM.

FastTrack Schedule lets users create and update presentation-quality schedules quickly and easily. Whether users need a quick scheduler or a full tracking system, FastTrack Schedule has it all. Users enter activities by drawing bars directly on the schedule (Gantt chart) or type dates to have the bars drawn for them; design custom bars and milestones to create libraries of styles; view the timeline in any unit from hours to fiscal years, or use their own generic units; outline projects to any level and then collapse levels to summarize dates; add unlimited columns to both sides of the graph and choose from 13 different pre-defined field types; track

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activities scheduled and actual dates, as well as percent complete; link activities graphically to create dependencies; enhance schedules with graphics, logos, floating text blocks and titles; and import and export information with other project management programs, spreadsheets, databases or any other applications that can read/write ASCII text. Because FastTrack Schedule runs on both Macintosh and Windows, everyone can open a user's files.
$279 retail
AEC Software; 22611 Markey Ct., Bldg. 113; Sterling, VA 20166; 703-450-1980, 800-346-9413 or 703-450-9786 (fax)

Great Gantt! V1.4
Gantt charting tool
Macintosh Plus or larger; hard disk drive recommended.

Great Gantt! is a Gantt charting tool that features automatic MacProject, MacProject Pro, Micro Planner Expert and Micro Planner V6 readers. In just moments, users can go from the most basic chart to presentation-quality Gantt outputs from their data. Or, users can build Gantt charts from scratch, using Great Gantt!'s powerful editing tools. Great Gantt! goes beyond the basics to provide flexibility, customization and creativity in Gantt charts. Users can create their own symbols to show critical path, progress, milestones, interfaces and start and end dates, or use Great Gantt's own rich set of symbols. Users can move the status line to do what-if scenarios, and charts can span multiple pages.
$195 retail
Varcon Systems, Inc.; 10509 San Diego Mission Rd., Ste. K; San Diego, CA 92108; 619-563-6700 or 619-563-1986 (fax)

Helix Tracker 1.0
Organizes projects, tasks and documents
Macintosh Plus or larger; 2 MB of RAM (server); 1,200K of RAM (client; additional memory will be necessary to launch another application); hard disk drive; System 6.0.5 or later.

Helix Tracker is an application solution created with Helix Express technology. An indispensable scheduling tool for any workgroup, Helix Tracker organizes projects, tasks and documents to facilitate timely and efficient completion. Helix Tracker allows users in a workgroup to route or distribute tasks, comprised of due dates, instructions and documents, to other users in the workgroup. The initiator of a task can check the status at any time and notify users when tasks are late, or when changes are needed. A complete audit trail is maintained for all tasks. Each version of a document created by each user is automatically saved, eliminating possible problems caused by multiuser access to a single document. Helix Tracker provides a storage area where documents can be filed for easy retrieval by all users. Users can store and search for a document by a key word, then launch it in its native format, regardless of the program in which it was created.
$439 retail
Helix Technologies; 744 Pinecrest Dr.; Prospect Heights, IL 60070; 708-465-0242, 800-364-4359 or 708-465-0252 (fax)

HyperProject
Project management
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.

HyperProject is a stand-alone project management application that provides a multiwindowing environment that includes PERT, Gantt, spreadsheet and histogram window views. Features common to all HyperProject windows include: no program limit to the number of project windows that can be displayed and edited; any symbols can be copied/pasted between windows; no program limit to the number of symbols that can be created; all windows maintain their own formatting, font, zoom, scroll and other relevant display characteristics; activities and milestones can be added at any time from the menu or tool palette; addition of activities in any window updates the other related windows; several formats for numeric information and calendar dates; all graphics annotation can be saved for later recall; any window can be printed or saved as a PICT file; all window views support notes, pictures and text; provides calendar-based notes; data can be dynamically moved and altered; supports full CPM scheduling; and more.

HyperProject Lite provides all the features of HyperProject with one exception — the program is limited to the creation and scheduling of 30 activities. It is a cost-effective option for those involved in the planning and management of small or personal projects.
$345 retail; HyperProject
$124.95 retail; HyperProject Lite
HyperProject, Inc.; 12356 Jolette Ave.; Granada Hills, CA 91344; 818-831-0404 or 818-366-1769 (fax)

MacProject Pro 1.5
Project manager/planner
Macintosh Plus or larger; 2 MB of RAM (4 MB for System 7); floppy disk drive and hard disk drive; System 6.0.5 or later.

MacProject Pro is project management software for anyone who needs to plan and manage schedules, resources and budgets for any size project. Version 1.5 delivers all the previous project management power of MacProject Pro 1.0 — integrated outlining, powerful new schedule and resource management capabilities, presentation-quality charts and reports and full System 7 support for easy data sharing with other users and applications — plus: MPX import/export lets users exchange project data with Microsoft Project 3.0 for Windows and Macintosh and other project management applications supporting the MPX format; AppleScript support; enhanced Apple Events support; default chart display combines an outline and PERT chart display to speed project brainstorming and scheduling; multi-item outline scheduling allows users to schedule any number of project tasks in the outline simultaneously in the schedule (PERT) chart; floating tools palette with 18 frequently used tools; major and minor timeline scales; one-step perspectives; full-featured project outline; automatic outline numbering; embedded text; outline summaries; user-defined outline column display; cost roll-ups; automatic Work Breakdown Structure (WBS) generation; eight schedule constraints; unlimited task calendars; cross-project dependencies; baselining of all or selected tasks; custom summaries; lead and lag time; "sweeping" actuals; project overview; multiple open documents; unlimited task resources; cross-project resource leveling; precision zooming; custom chart and report generation; and much more.
$599 retail
Claris Corp.; 5201 Patrick Henry Dr.; PO Box 58168; Santa Clara, CA 95052; 408-727-8227 (customer relations), 800-735-7393 U.S upgrades) or 800-334-3535 (U.S. dealers)

MacSchedule 3.0
Project planning and tracking
Macintosh Plus or larger; System 6.0 or later.

MacSchedule is a visual schedule design and presentation application that automates the design and creation of Gantt-type schedule charts. The program facilitates status tracking; work progress, early and late starts and schedule slips are automatically handled. Schedules can be quarterly, monthly, bimonthly, weekly, daily, hourly or free form. Standard stop, start and milestone symbols are provided, or a user can create custom symbols. Charts can be printed on a LaserWriter, ImageWriter, plotter, color printer or exported to a desktop publishing program, such as PageMaker, for inclusion in proposals and reports. Version 3.0 adds a streamlined interface with better tool organization. Also, earned value analysis is a method of relating three project factors: planned value, earned value and actual cost. This provides a simple indication of the project's financial and schedule status. Users can calculate and graph a project's cost and schedule variance.
$295 retail
Mainstay; 591-A Constitution Ave.; Camarillo, CA 93012; 805-484-9400 or 805-484-9428 (fax)

MacSys Project Monitor
Project monitoring database system
Macintosh SE/30 or larger; 8 MB of RAM; 80 MB hard disk drive.

The MacSys Project Monitor is a 4th Dimension-based client/server project monitoring system for non-profit agencies. This system is designed to monitor and evaluate imprest funded projects in a user-friendly fashion. The system operates in a tiered structure by monitoring financial disbursements to many programs, each of which may administer many sub-projects. The MacSys Project Monitor allows for the timely preparation of project-related financial statements. Detailed summary reports of all programs assures ongoing accurate financial management and specific goal monitoring. The system allows for detailed monitoring of project spending and serves as a valuable tool in identifying poorly run projects. This system has particular relevance to large organizations with national or international level projects. Multilingual customized reports are supported. MacSys Project Monitor is customizable as required.
$29,000 U.S. retail; single user (4D Server compatible)
MacSys Inc.; 362 Terry Fox Dr., Ste. 200; Kanata, Ontario, Canada K2K 2P5; 613-591-9200 or 613-591-8089 (fax)

Micro Planner Manager
Project management
Macintosh SE or larger; 2 MB of RAM; hard disk drive.

Micro Planner Manager is a mid-range project management package. Project modifications can be made from Pert, Gantt, Table or Outline format. The Report Designer allows users to supplement the dozens of standard reports with user-defined formats. Micro Planner Manager calculates payments and manages budgets and cash flow to accommodate corporate and government requirements. It includes standard reporting, earned value costing, job costing and cross project resource leveling. With a WBS, users can roll up costs and schedules to any level (up to 1,000 levels). This allows the proper amount of detail to be presented to different levels of management. Capacities include: 1,500 operations (unlimited size using linked projects); 250 resource categories; 250 zone, responsibility and cost codes; 250 calendars; time units in minutes, hours, days or weeks; arrow; and precedence. Manager can open MicroSoft projects .MPX files.
$695 retail
Micro Planning International; 3801 E. Florida Ave., Ste. 507; Denver, CO 80210; 303-757-2216 or 303-757-2047 (fax)

Micro Planner X-Pert
Project and resource management
Macintosh SE or larger; 2 MB of RAM; hard disk drive.

Micro Planner X-Pert is a project and resource management program designed for the department, division or corporate manager to "put it all together." The program reads MacProject II and Micro Planner files to provide control over many simultaneous projects. Resource leveling across multiple projects allows for optimization of scarce resources across the organization. The latest in graphics allows for project modifications to be made from Pert, Gantt, Table or Outline format. Report Designer allows supplementing the dozens of standard reports with user-defined formats. The program includes earned value costing and 1,000 levels of work breakdown. It allows for 15,000 operations and 100 subprojects; 250 resource categories; 250 zone, responsibility and cost codes; 250 calendars; time units in minutes, hours, days or weeks; and arrow and precedence. X-Pert can open MicroSoft project .MPX files.
$1,995 retail
Micro Planning International; 3801 E. Florida Ave., Ste. 507; Denver, CO 80210; 303-757-2216 or 303-757-2047 (fax)

Microsoft Project 3.0
Project management
Macintosh Plus or larger; 2 MB of RAM (2.5 MB recommended for MultiFinder or System 7); 800K floppy disk drive and hard disk drive; System 6.0.4 or later.

Microsoft Project is a powerful project management application that users can use for planning, scheduling and charting project information, as well as for presenting project information to others. If users plan or manage projects of any size, Microsoft Project makes it easy to plan accurately, manage wisely and communicate effectively. Major features include: easy to enter and update project information; great looking presentations and reports, including a new monthly calendar report; multiple page print preview; spell check just like Microsoft Excel; schedule tasks and resources across multiple projects; powerful scheduling features; and it works across platforms and applications.

These Products Available Through Bottom Line Distribution
1-800-347-1923

$695 retail
Microsoft Corp.; One Microsoft Way; Redmond, WA 98052-6399; 206-882-8080

Milestones Planning For Successful Ventures
Plan and monitor new ventures
Macintosh Plus or larger; HyperCard 2.1 or later.

Milestones Planning For Successful Ventures is software for use in the planning and monitoring of ventures. It incorporates the capability to establish assumptions in venture planning and monitoring; test those assumptions in milestones; assign levels of involvement to various individuals (i.e., responsibility, veto, support, information); establish estimates and actual timeframes for milestone completion; and set forth estimated and real costs of the milestones. The software enables users to view specific milestones or look at an overview of the entire project based on milestones and/or individual accountability.
$195 to $595 retail
boyd & fraser publishing company; One Corporate Pl.; Ferncroft Village; Danvers, MA 01923; 508-777-9069, 800-225-3782 or 508-777-9068 (fax)

Negotiator Library Series For Negotiator Pro
Library of negotiations
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; Negotiator Pro.

The Library contains examples of actual negotiations: the issues, the negotiating style of the involved parties, the characteristics of the negotiation planning and the outcome. The Library can be studied against a current situation to increase the chance of a favorable outcome. The Library contains examples from important negotiations involving real estate, labor, purchasing, project management, litigation, technology licensing and human resources. There are other examples on buying a car; negotiating for increased job responsibility and compensation; establishing terms for purchase, sale or lease; sharing limited resources; defining job responsibilities; and even how to win over difficult people.

The second module, Financial Turnaround, serves as an informative map of the steps an expert would advise a company to take to restructure its financial liabilities, reposition itself for further growth and increase its attractiveness to investors. The third module is for purchasing and the fourth module is for sales.
First module free with Negotiator Pro
$49 retail; each additional module
Beacon Expert Systems, Inc.; 35 Gardner Rd.; Brookline, MA 01720; 617-738-9300 or 617-734-3308 (fax)

Negotiator Pro
Project management tool for negotiators
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; HyperCard 2.1.

Negotiator Pro is an interactive business tool for long-term negotiation skill improvement that helps plan workable strategies for win-win results. Negotiator Pro contains the following components: influence and negotiation style profile; generation of interaction advice for involved persons and suggestions how to increase benefits to all parties; detailed planning section with a series of expert questions; ActionPad with "To Do" list; glossary of more than 400 entries on current negotiation terms and theory; 50 tactics, including 10 for dealing with difficult people and 15 international negotiation styles; a printed Briefing Book; and a database of prior experience and deals.
$345 retail
Beacon Expert Systems, Inc.; 35 Gardner Rd.; Brookline, MA 01720; 617-738-9300 or 617-734-3308 (fax)

Open Plan
Project management
Macintosh SE or II; 4 MB of RAM; FoxBase+/Mac.

Open Plan offers the best of two worlds to those who manage projects. Open Plan can be used "as is" or customized to meet extended project management needs. Features include: multiproject scheduling; resource scheduling; budgeted, actual and performed costs; 70+ standard reports/graphics; up to nine user-defined code files per project; custom reporting; multiuser concurrent data access; data is compatible with Macintosh, PC, DEC and Unix versions; and training, consultancy and support services are available.
$4,200 retail; single user (LAN pricing available upon request)
Welcom Software Technology; 15995 N. Barkers Landing, Ste. 275; Houston, TX 77079; 713-558-0514, 800-274-4978 or 713-584-7828 (fax)

Project Planner (PERT & CPM)
Project planning, critical paths and gantt charts, optimum assignments, job-shop scheduling
Macintosh 512K or larger.

Project Planner (PERT & CPM) is designed to handle the specific problems of job shop scheduling and optimum assignments. The major project planning programs are based on the PERT and Critical Path Analysis techniques. A user must prepare the network of activities, and the programs will analyze the network and provide various results useful for scheduling purposes. PERT produces the critical path and the probability of finishing on time. CRITPATH produces the critical path and then provides a report on all non-critical activities, giving the latest starting times, the earliest finishing times and so forth. The program allows full and selective crashing to see whether or not an extra expenditure of money will speed up completion of the project. Planner is a full-featured project management program that allows the inclusion of holidays in the schedule, continual updates of activities, the preparation of cash flow reports, the printing of Gantt charts and more.
$145 retail
Lionheart Press, Inc.; PO Box 20756; Mesa, AZ 85277; 602-396-0899, 514-526-7877 or 602-396-0932 (fax)

Project Scheduler 5
Project management
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.

Project Scheduler 5 is a powerful, yet easy-to-use project manager. Project managers can create dependencies, allocate resources and update schedules across multiple projects and generate customized, multilevel reports to keep all involved parties informed of project progress. Project Scheduler 5 allows users to load multiple projects into memory simultaneously, while clearly displaying the resource utilization for each one. It automatically calculates the critical path and accounts for resource-cost inflation. It provides powerful interactive and automatic resource leveling that allows users to create valuable what-if scenarios. In addition, it offers highly flexible reporting options that let managers generate high-impact reports for presentations, customized with up to 10 levels of information. Features include: flexible working options; organizational capabilities; project calendar and resource definition; tracking and analysis; and file compatibility with PS5-DOS, PS5XL for OS/2 and PS5 Macintosh. It is System 7 compatible.
$695 retail
Scitor Corp.; 393 Vintage Park Dr., Ste. 140; Foster City, CA 94404; 415-570-7700 or 415-570-7807 (fax)

Schedule Publisher
All-purpose GUI scheduling program
Macintosh Plus or larger; 2 MB of RAM; 5 MB of free disk space; System 4.1 or later.

Schedule Publisher is an all-purpose GUI scheduling program that provides efficient and easy-to-use scheduling tools for all levels of management. Available on Macintosh, Windows, XWindows and Unix platforms, data files are directly transferable between platforms. Many project information views are available: schedule bar chart, logic diagram, resource histogram, table data and combinational views. Full CPM logic capability allows complex network relationships to drive the project, while automated resource leveling can optimize the user's schedule and eliminate conflicts. Actual costs can be pulled in from external accounting systems for real cost feedback into the user's schedule, while earned value analysis can provide integrated cost and progress tracking. Resource usage and cost tables are calculated automatically. Schedule Publisher provides many symbolic activity and event representations, as well as control over color, pattern, fonts and scaling. The calendar can be easily adjusted to show any range, and multiple user-defined calendars allow realistic planning around weekends, shifts, vacations and holidays. Rollup, Merge, Merge-Link and Subprojects provide a multitude of options for schedule summarization and integration. Multiple Baselines add precision to tracking schedule changes and slippages, while sorting, matching and user-saved views yield unparalleled flexibility. An import/export capability makes it easy to utilize existing information. Schedule Publisher facilitates the production of professional-quality reports, which provide concise information about the user's project plan and progress.
$1,995 retail
Advanced Management Solutions; 7231 Boulder Ave., Ste. 803; Highland, CA 92346; 909-790-2026, 800-397-6829 or 909-790-1892 (fax)

Syzygy
Project tracking software
Macintosh SE/30 or larger; 2.5 MB of RAM; hard disk drive or AFP server; System 6.0.3 or later.

Syzygy is project tracking software designed to help users stay on top of day-to-day office projects and tasks. Today's business landscape is constantly changing. Instant response is essential to compete effectively. Priorities change from minute to minute, affecting resource and budget requirements, projects and tasks, people and assignments. Syzygy is designed to handle this hectic pace. Unlike project management software that focuses on optimizing a single project schedule with complex tools, Syzygy is designed to allow tracking of multiple projects by a group of people with easy-to-use tools like work outlines, timelines, to-do lists for individuals and groups and calendars. Whether an individual, part of a department, a multifunctional task force or any kind of business team, Syzygy is the tool for keeping track of all those projects for which a user and their team are responsible.
$595 retail; Personal Edition
$1,995 retail; 10-user Server Edition
$3,495 retail; 25-user Server Edition
Syzygy Development, Inc.; 9465 Kingston Crossing, Ste. 100; Alpharetta, GA 30202; 404-662-5362 or 404-662-0908 (fax)

Task Monitor
Project management
Macintosh Plus or larger; 1 MB of RAM; System 6.0.1 or later.

Task Monitor is an easy-to-use, full-featured project management program designed to plan, monitor and control large and small projects. Organizing the data and presenting it in a manner that is easy to understand is Task Monitor's strong point. A powerful sort and filter capability, coupled with a flexible tabular and graphics report generator gives users the tools necessary to meet the most demanding requirements. Reports are easy to prepare and can be customized by selecting the type of data and the choice of Gantt symbology. PERT charts are also customizable, the activities are laid out logically and positioned according to calendar time.
$695 retail
Monitor Systems, Inc.; 960 N. San Antonio Rd., Ste. 210; Los Altos, CA 94022; 415-949-1688 or 415-949-4688 (fax)

Tracker XT
Quark XTension that tracks productivity and scheduling
Macintosh Plus or larger; QuarkXPress.

Tracker is a Quark XTension designed for tracking productivity and scheduling in the work environment. Tracker is a project management tool for administrators to schedule jobs, track job completions, generate reports and send instant notifications to their production team. An electronic log keeps track of how long someone has been on a project, whether or not a job was completed on time and names, dates and elapsed times for everyone logged on a job. Tracker takes this information and produces it in the form of tracking reports. With Tracker's messaging option, administrators can immediately communicate any new deadlines or job changes to their production team.
Call for pricing
Integrated Software, Inc.; 475 Park Ave. S; New York, NY 10016; 212-545-0110 or 212-545-0198 (fax)

VS*3 JobSight Estimating System
Subcontractor estimating system
Macintosh Classic II or larger; 4 MB of RAM; System 6.0.5 or later.

VS*3 JobSight is a fully-featured subcontractor estimating system. It builds jobs through phases/sections, allowing for individual labor units for each material item or assembly. User-established Direct Job Expense (DJE) categories and Assemblies may be established, allowing for quick selection while estimating, as well as reducing the possibility of overlooked items. Pre-established Adjustments, Markups and Overhead percentages are maintained and automatically built into the estimate, yet easily modified if necessary. Standard proposal formats are available for customization and multiple reports showing cost and profit analysis. VS*3 Remote Turnkey Support provides experienced personnel that are able to assist in installing and bringing the system live. Through standardized telephone interviews and training, Vertical Solutions Management is able to help eliminate the trial and error procedures usually associated with new system use.
$1,250 retail
Vertical Solutions Management; 125 E. Timonium Rd.; Timonium, MD 21093; 410-561-4888 or 410-561-5763 (fax)

WorkPlan
Develops budgets and timelines for professionals who charge by the hour
Macintosh Plus or larger; Microsoft Excel.

WorkPlan quickly generates budgets and timelines for proposals and tracks ongoing projects. Each task on a WorkPlan can be allocated among seven individual billing rates, with four expense categories. Projects may be broken into phases, with phase subtotals and budget limits defined. Timelines can be defined forward from a start date, or backwards from a completion deadline, with optional critical paths and midpoint deadlines. WorkPlan creates a budget summary for each project with task, cumulative expense graphing and timeline.
$29 retail
StormWorks; 2321 Englewood Ave.; Durham, NC 27705; 919-286-6638 (phone/fax)

Spreadsheets

1 Shot Worksheet
Integrated forms generator, spreadsheet and calculator
Macintosh Plus or larger; System 6.0 or later.

1 Shot combines the graphics power of a forms generation program with the mathematical capabilities of a spreadsheet or programmable calculator to simplify estimates, proposals, amortization schedules and other repetitive tasks. Integrating more than 130 mathematical operators and formulas, 1 Shot provides the capability to generate single or multiple pages of either simple spreadsheet layouts or complex graphic forms with text, graphics and calculated fields. Users can even scan in existing paper forms for use as a background graphic, overlay text and calculated fields, and then print them. 1 Shot Worksheet comes with numerous pre-designed templates, including real estate amortization, service proposal, depreciation, life expectancy, loan payment schedule, personal radioactivity level and more.
$99.95 retail
Baseline Publishing, Inc.; 1770 Moriah Woods Blvd., Ste. 14; Memphis, TN 38117; 901-682-9676 or 901-682-9691 (fax)

A-Z Forms For Excel
Business forms
Any Macintosh; Excel 2.2 or later; ImageWriter or laser printer.

A-Z Forms is a collection of calculating and input automated business and personal form templates for Excel. Each form is ready for input and calculates the input data. Developing a user-defined bookkeeping system or individual data records is achieved by linking the forms and data to a user's specifications using Excel. Forms include: Accounts Receivable, Business Mileage, Travel Expense, Mileage Log, Equipment Maintenance, Spreadsheets, Invoices, Statements, Purchase Orders, Inventory, Job Estimates, Job Costs, Pricing Sheet, Material Cost, Time Keeping, Time Cards, Sales Records, Check Book Register, Tax Records and Checks. Continuous and laser forms ordering information is included.
$49.95 retail
Freemyers Design; 575 Nelson Ave.; Oroville, CA 95965; 916-533-9365

Accounting Spreadsheet 1040 SC For Excel
Bookkeeping spreadsheet with IRS Schedule C profit and loss summary
Macintosh Plus or larger; Microsoft Excel 2.2 or later; laser or impact printer.

Accounting Spreadsheet 1040 SC is a bookkeeping profit and loss spreadsheet that automatically calculates the input data and records all the data from the spreadsheet. It keeps a running total on a 1040 Schedule C profit and loss summary sheet that corresponds with the expense categories on the IRS tax form. A user's tax information is ready each time data is entered. The program displays proof of entry for input accuracy.
$49.95 retail
Freemyers Design; 575 Nelson Ave.; Oroville, CA 95965; 916-533-9365

BiPlane
Spreadsheet
Macintosh Plus or larger; 1 MB of RAM; System 6.0.3 or later.

Ideal for Macintosh Classics and PowerBooks, BiPlane is a full-featured spreadsheet with business graphics and a powerful desk accessory. It reads and writes files in SYLK and text format, which allows worksheets to be exchanged with other spreadsheet programs. Spreadsheet features include: 102 built-in functions; integrated business graphics; eight chart types; sorting; individual cell font, style and point size; display clip art; online help system; and sound playback. BiPlane is System 7 compatible.
$60 direct
Night Diamonds Software; PO Box 1608; Huntington Beach, CA 92647; 714-842-2492

BiPlane Deluxe
Spreadsheet
Macintosh Plus or larger; 1 MB of RAM; System 6.0.3 or later.

BiPlane Deluxe gives users ease of use, compatibility, speed, power and reliability. Ideal for Macintosh Classics and PowerBooks, BiPlane Deluxe is a full-featured spreadsheet with business graphics. It reads and writes Microsoft Excel 4 files, SYLK and text files. Its features include: 102 built-in functions, 44 macro functions, tool bar, integrated business graphics, sorting, linking, named ranges, online help and much more.
$149 retail
$60 direct
Night Diamonds Software; PO Box 1608; Huntington Beach, CA 92647; 714-842-2492

Lotus 1-2-3 For Macintosh, Release 1.1
Spreadsheet
Macintosh Plus or larger; 3 MB of RAM; hard disk drive; System 6.0.4 or later.

Lotus 1-2-3 for Macintosh delivers innovative spreadsheet capabilities that gives users simple access to commonly used functions, the capability to customize the desktop to their personal work style, direct manipulation of objects for intuitive operations, in-cell editing and many other features. It also provides full file, formatting, macro and keystroke compatibility with all versions of 1-2-3. The result is a rich design that makes even the most complex spreadsheet tasks easy. Lotus 1-2-3 for Macintosh has been built exclusively from the ground up to take full advantage of the Macintosh, including System 7. It is compatible with Microsoft Excel.
$495 suggested retail
Lotus Development Corp.; 800 El Camino Real West; Mountain View, CA 94040; 415-335-6600, 800-448-2500 or 415-960-0840 (fax)

Masquerade 1.2
Spreadsheet compiler
Macintosh Plus or larger; 2 MB of RAM; System 6.0.3 or later.

Masquerade is a spreadsheet compiler that gives spreadsheet users the power to transform their worksheets and macro sheets into fully functional, double-clickable applications. SYLK compatible with other spreadsheets, Masquerade provides a secure, cost-effective means to distribute worksheets. Because it supports many popular Microsoft Excel functions and macro functions, sophisticated applications can be created by intermediate spreadsheet users. Features include: 101 built-in functions, 140 built-in macro functions, custom menu bars, custom dialog boxes, in-cell text editing, integrated charting, linking, context sensitive help, push buttons, radio buttons, check boxes, sound playback and the capability to display clip art. Masquerade is System 7 compatible.
$695 retail
Night Diamonds Software; PO Box 1608; Huntington Beach, CA 92647; 714-842-2492

Microsoft Excel 5.0
Complete spreadsheet with business graphics and database
Macintosh Plus or larger; 1 MB of RAM (2 MB with System 7); one 800K disk drive and hard disk drive; System 6.03 or later (some features require System 7.0).

Microsoft Excel for Macintosh sets a new standard for spreadsheets. Microsoft Excel features IntelliSense technology — built-in intelligence that senses what users want to do and produces the results users want. Routine tasks are automatic and complex jobs are easier, freeing users to focus on their analysis, rather than their data. Rich custom development tools, such as Microsoft Visual Basic for Applications, provide programmability found in no other macro language. Microsoft Excel maximizes the Macintosh by supporting key technologies like AppleScript, PowerTalk and QuickDraw GX. All of this means that Microsoft Excel works the way the user wants it.
$495 retail
Microsoft Corp.; One Microsoft Way; Redmond, WA 98052-6399; 206-882-8080

MobileCalc, The Newton Spreadsheet
Spreadsheet for Newton technology PDAs
Newton MessagePad; memory card; Macintosh Connection Kit.

MobileCalc is a spreadsheet designed specifically for Newton technology PDAs. With MobileCalc, users can perform what-if analyses, modify sales forecasts, give cost estimates, prepare expense reports, project P&L statements, negotiate a business deal and even tackle engineering and scientific problems. There are more than 70 financial, statistical, engineering/scientific and general math functions built right in to the product. MobileCalc can also be used for data collection in the field. MobileCalc was designed for the small screen and handwritten input of Newton PDAs. MobileCalc's innovative features include: Smart Cell Input — users can freely write outside and larger than the cell and MobileCalc automatically placing the number on the intended cell (simply write over numbers for quick changes); and Recognition Enhancer — significantly improves handwriting recognition by enabling users to activate numbers-only recognition.
$109 retail
MobileSoft; 307 Orchard City Dr., Ste. 207; Campbell, CA 95008; 408-376-0497 or 408-376-0163 (fax)

■ **SQC For Excel 2.10**
Complete SQC calculations, charts and reports within Excel
Macintosh Plus or larger.

SQC for Excel provides a complete statistical quality control package within Microsoft Excel. A comprehensive menu is added to the Excel menu bar that provides an easy interface via the Microsoft Excel menu bar (choose SQC from Excel main menu); X-bar, R, MR, S, X, P, nP, u and c control charts; Cpu, Cpl and Cpk calculations based on LSL and USL; comprehensive reporting of all calculations; one button operation for repetitive analysis; automatically checks the data for correlation; scatter diagrams for auto-correlation analysis; Microsoft Excel 4.0 and 5.0 compatible; plots histogram, normal distribution, LSL and USL; runs and trends calculations; and up to 16,000 data points. A complete set of examples for all charts are provided. It is System 7 compatible.
$149 retail; site license, educational and volume discounts available

These Products Available Through Bottom Line Distribution
1-800-347-1923

BaRaN Systems Ltd.; PO Box 57024; Eastgate Postal Outlet; Sherwood Park, Alberta, Canada T8A 5L7; 403-449-6554 or 403-449-1334 (fax)

What's Best! Release 2.0
Lets users automatically find optimal solutions in spreadsheet models
Macintosh Plus or larger; 2 MB of RAM; Microsoft Excel.

What's Best! lets users automatically find optimal solutions in spreadsheet models. It puts the power of linear and integer programming at a user's command without the need for a mainframe computer and a degree in advanced mathematics. Business managers can use What's Best! to increase efficiency in resource allocation. OR/MS professionals will appreciate What's Best! too. That's because What's Best! is a serious linear programming tool that incorporates the state-of-the-art LINDO optimizer. What's Best! will help users communicate complex ideas using the widely understood and very visual spreadsheet environment.
$149 to $4,995 retail
The Scientific Press; 651 Gateway Blvd., Ste. 1100; S. San Francisco, CA 94080; 415-583-8840, 800-451-5409 or 415-583-6371 (fax)

Time & Billing Software

4th Power Job Billing
Time and billing software
Macintosh Classic or larger; 2 MB of RAM.

4th Power Job Billing is complete, flexible and integrated time tracking software for the creative design industries that offers full job management under one roof. It starts with the creation of job records and estimates and controls timesheet entry, POs, insertions and other costs posted to the job. Billing is then done seamlessly at the touch of a button. Output is unlimited with powerful search, sort and report editors, as well as built-in word processors. Built-in profitability tools restrict loss and realize profit. Users can seamlessly upgrade to Honeybee's higher-end solutions (4th Power Service) for full accounting integration. This solution is ideal for design firms, ad agencies, multi-media shops, architects and large internal agencies.
$795 retail; single user
$2,795 retail; multiuser
Honeybee Software, Inc.; 1 Place Ville Marie, Ste. 2315; Montreal, Quebec, Canada H3B 3M5; 514-954-0768, 800-667-1233 (U.S. only) or 514-875-2940 (fax)

Aatrix TimeCard 2.0
Allows automated "punch-in/out" of company-issued time cards; multiuser
Macintosh Plus or larger.

Aatrix TimeCard accumulates time per employee or project. A multiuser version is available. A variety of reports can be printed and include both job costing and billing amounts. The reports can be transferred to Aatrix Payroll or Aatrix Ultimate Payroll for automatic employee paycheck calculations or to Aatrix TimeMinder for time billing purposes. Aatrix TimeCard interfaces with bar-code readers and employee ID card slot readers. When combined with optional hardware, it allows automated "punch-in" and "punch out" of company-issued time cards. The program also provides employee time calculations for payroll, time billing or productivity analysis. The software/hardware combination includes an audio greeting and provides a warning of improper ID card users.
$399 retail; Employee ID card slot magnetic stripe reader sold separately
Aatrix Software, Inc.; PO Box 5359; Grand Forks, ND 58201; 701-746-6801, 800-426-0854 or 701-746-4249 (fax)

Aatrix TimeMinder Version 2.0
Time billing; employee productivity tracking; invoicing system; comes with DA
Macintosh Plus or larger.

TimeMinder is an automated time-recording program designed to keep track of time spent on projects or tasks. The multifunctional program allows a Macintosh to serve as a time-billing program, as a project-billing program, as a computer-usage meter, as an employee productivity tracking device and as an accounting system. TimeMinder files are capable of handling up to 255 projects per file with up to 100 actions per project. The desk accessory allows users to temporarily halt time tracking during interruptions. The AttachNote feature allows users to add up to a two-page note describing each work session. A Manual Entry feature lets users include "out of office" time, time logs and time sheets. Time editing allows for reviewing or correcting time records. Variable billing rates or costs are allowed. TimeMinder prints invoices, ages receivables and calculates sales taxes. Miscellaneous items and constant fees may be included.
$299 retail
Aatrix Software, Inc.; PO Box 5359; Grand Forks, ND 58201; 701-746-6801, 800-426-0854 or 701-746-4249 (fax)

Bill-It 4
Accounts Receivable, sales, billing, customer files, invoicing, customer labels, custom invoice, auto backup
Macintosh Plus or larger; external 800K disk drive; printer.

Bill-It is an integrated accounting program for small businesses consisting of Accounts Receivable, Billing, Inventory List, Invoicing and Sales. Any or all of its parts can be implemented at the discretion of a user. All data-entry screens look like the paper forms the business is now using. The design of the program makes it particularly useful for both retail merchants and small service firms. The Inventory section is set up so that items need not be merchandise. Items could be hourly labor charges, medical lab procedures, thesis pages typed, golf lessons or anything else for which a unit price can be set. Bill-It is optimized for about 4,000 customers and 4,000 inventory items. In practice, it is limited primarily by memory and disk storage space. All transactions are immediately recorded to disk. If there is a power failure, only the last transaction can be lost. The program provides a complete audit trail, and data files are stored as ASCII code that can be accessed for reference or hard copy by a word processing program.
$159 retail
ShopKeeper Publishing International, Inc.; PO Box 38160; Tallahassee, FL 32315; 904-222-8808 or 904-668-9916 (fax)

Components Job Cost/Time Billing
Tracks time and expenses
Macintosh Plus or larger; 2 MB of RAM.

Components Job Cost/Time Billing is designed for professional firms and contractors. This package tracks time and expenses for ad agencies, graphic designers, architects, engineers, lawyers and builders. Key features include budgeting, estimating, multiple billing schedules, expense markup and cost analysis. Automatic billing can be formatted using the integrated forms toolbox. Productivity reports can be created by employee or job. Total costs and budgets can be tracked, and gross profit reports can be printed. Built-in receivables capability allows the calculation of finance charges, maintenance of aging history and printing of monthly statements. Job Cost/Time Billing integrates with Components Accounts Payable and Components General Ledger.
$1,495 retail; network option available
Satori Software; 2815 2nd Ave., Ste. 295; Seattle, WA 98121; 206-443-0765 or 206-728-7068 (fax)

Dealer Cost Estimator
Product cost estimating and forms
Macintosh Plus or larger; Microsoft Excel 2.2a or later.

Dealer Cost Estimator is a product cost estimating system that automatically calculates all the input data and provides a separate form for the dealer and customer. Data is entered into a dealer estimate form that allows input of product description, quantity, part number, dealer cost, unit price, unit totals and percent mark-up. The program calculates the customer's unit cost, quantity mark-up totals and sale amount. The information from the dealer estimate form is automatically transferred to the customer form, providing only the customer itemized information. A macro is included that lists all the dealer estimates and provides a running total of all the estimates.
$49.95 retail
Freemyers Design; 575 Nelson Ave.; Oroville, CA 95965; 916-533-9365

DesignSoft StopWatch DA
Keeps track of billable computer time
Any Macintosh.

StopWatch DA is a simple desk accessory that keeps track of billable computer time. Users start and stop the StopWatch timer when they start and finish working. (StopWatch will even continue timing if the computer is turned off.). StopWatch saves each work session to a computer timesheet along with a description that can include job number, time code and employee. StopWatch can be used by itself or it can export timesheets directly to the optional DesignSoft Time & Billing system job files. StopWatch will print a user's timesheet or export it to a text file for importing into billing programs, spreadsheets or any application that imports data.
$29.95 retail
The DesignSoft Co.; PO Box 1130; Wheaton, IL 60189; 708-858-5363, 800-426-0265 or 708-653-0647 (fax)

DesignSoft Time & Billing
Allows users to track and invoice time and costs for all projects
Any Macintosh.

DesignSoft Time & Billing software products are designed to be easy to use, affordable and expandable. Built on the core Time & Billing program, each of the six additional software modules adds a new time-saving feature. The additional modules are: StopWatch, Accounting, Search & Report, Batch Archive & Delete, DSQ-DataLink (Link to Quicken) and Convert. DesignSoft opens a job file for each project a user adds to the system. It keeps track of job time, expenses and budgets. It prints an invoice to a user's custom invoice design. Job numbers, time, expense, employee, vendor and client codes are all user definable. Billable employee time automatically imports into job files if employees use the optional StopWatch DA. Statements and custom reports are available from additional modules.
$299.95 retail
The DesignSoft Co.; PO Box 1130; Wheaton, IL 60189; 708-858-5363, 800-426-0265 or 708-653-0647 (fax)

Hour Glass
Time and billing system
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; dot matrix printer.

Hour Glass is a complete, multiuser, multicompany time and billing system that allows the automation of hourly billings, as well as cost and trust accounting. System highlights include: multiple billing rates, multiple client locations, multiple client matters/projects, user-defined cost categories, flat fee/cost billing, almost unlimited description entry, single or multiple invoice processing, General Ledger summary reports, management reports and statements. Flexware's General Ledger, Payroll and Accounts Payable integration is available.
$695 retail
Micro VertiSoft; PO Box 901; Springfield, OR 97477; 503-726-1045 or 800-826-4270

Invoice And List It For Excel
Time and billing system
Macintosh Plus or larger; Microsoft Excel 2.2 or later; laser or impact printer.

Invoice and List It is an invoice system that automatically calculates the input data and creates an invoice list that records all the data from the invoice and keeps a running total. It will print a complete, multipart, continuous or laser form. Custom form ordering information is included. Also included is a statement form and a macro for creating a customer address and phone list.
$49.95 retail
Freemyers Design; 575 Nelson Ave.; Oroville, CA 95965; 916-533-9365

Job Cost For Excel
Estimating and job cost accounting form
Any Macintosh; Microsoft Excel 2.2a or later.
Job Cost for Excel automatically calculates and totals all the input data on a form. It lists Job name, Date, Job Number and gives individual subtotals of material costs, quantity, unit cost, hours, hourly cost, the description of the expense and shows a combined total of Material and Hourly cost.
$49.95 retail
Freemyers Design; 575 Nelson Ave.; Oroville, CA 95965; 916-533-9365

KwikInvoicer
Invoicing program
Macintosh Plus or larger; hard disk drive; System 6.0.5 or later.
KwikInvoicer is an invoicing program. It automates many invoicing tasks, such as: invoice numbering, dates, repeat customers, repeat invoice items, auto-setup for mailing in #9 envelopes, reporting capabilities with totals, exporting capabilities with totals and more. All this in a truly easy-to-use interface.
$24.95 retail
Handcraftedfonts Co.; PO Box 14013; Philadelphia, PA 19122

LapTrack For The Mac
Lets users record time and expenses
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.2 or later.
LapTrack allows users to record time and expenses easily — whether they're in the office or in the field using a portable computer. Reports within LapTrack include time and expense sheets, budgeting and productivity analysis reports and graphs. The address book feature allows users to easily access each client's address and phone number outside of the office. Users may optionally dial clients' phone numbers through AppleTalk Remote Access (or similar product) and track the length of the call. Data may be transferred to Timeslips III for the Mac for billing or other payroll, contact management, job cost and project management software systems. And it's easy to add new LapTrack users to a multiuser office site; just purchase a separate copy for each computer.
$79.95 retail
TIMESLIPS Corp.; 239 Western Ave.; Essex, MA 01929; 508-768-6100, 800-285-0999 or 508-768-7660 (fax)

MacLaser Biller
Allows firms to bill clients for pages printed on laser printers and imagesetters
Macintosh Plus or larger; 1 MB of RAM; System 6.0.3 or later.
MacLaser Biller allows Macintosh firms to bill clients for pages printed on laser printers and imagesetters. Firms now use the laser printer as a photocopier, for example, to print the second and third copies of a letter. MacLaser Biller intercepts Print commands using a System Extension. Before users print a document, the MacLaser Biller screen appears and asks whether the job is billable, non-billable or billable for all copies except the first copy. Users can then enter a matter and client ID, or select a matter and client ID from MacLaser's Lookup table. The print job is then completed, and MacLaser Biller records total billable and non-billable pages printed. It also automatically records the user's name, document name and printer used. This data is written to a text file on one or more central file servers, and the data can then easily be exported to the firm's accounting system on a Macintosh, PC, AS/400, etc. Essentially, the data goes into the accounting system as if it were photocopy data from one of the standard photocopy count control devices. The printing is then charged to the client accordingly. MacLaser Biller works with Canon, Agfa, Linotype, etc.
$250 retail; single user
$400 retail; two users
$500 retail; five users
$100 retail; each additional user
Site licensing is available
Bristol & Deimos Joint Venture; 112 Langley Ave.; Toronto, Ontario, Canada M4K 1B5; 416-461-2954 or 416-461-8488 (fax)

OfficePro TimeClock
Records and tabulates activity time
Macintosh Plus or larger; Microsoft Excel 2.2 or later.
OfficePro TimeClock is a software timeclock that records Time In and Time Out at the click of a button for one to 50 workers, or by a single worker for up to 50 job actions or different jobs. TimeClock automatically produces detailed weekly, bi-weekly or four-week time logs, with optional daily or weekly overtime totals, and features optional manual time entry for past and future events and a choice of easily set security and reporting options. Now includes worksheets for tracking sick leave, vacation time, etc. California-standard overtime version is also available.
$29 retail; up to 12 users
$49 retail; 25 users
$98 retail; 50 users
$4 retail; demo
StormWorks; 2321 Englewood Ave.; Durham, NC 27705; 919-286-6638 (phone/fax)

OfficePro TimeSheet
Provides a flexible system for tracking time per worker and job
Macintosh Plus or larger; Microsoft Excel 4.0 or later.
OfficePro TimeSheet tracks and records time by client, job and job task for service professionals who bill by the hour. Time entries are made chronologically to a simple Time Entry form that sorts and collates entries and posts them to a weekly TimeSheet. Job names, task descriptions and billing period dates automatically display when job numbers, task codes and time are entered. Individual workers log in their own time, incrementally, weekly or monthly; or pass paper logs to an administrator for batch entry. The weekly TimeSheets are linked to a Master JobList, annual worker Time Summaries and cumulative Job Reports. Job Reports display job activity by date or worker with cumulative hours and billing rates. Text export files can be imported to accounting software. Macros automate TimeSheet formatting, printing and Time and Job Report posting. Setup routines for maintaining a Master JobList, employee, job and job task lists are also macro automated.
$89 retail
$4 retail; demo
StormWorks; 2321 Englewood Ave.; Durham, NC 27705; 919-286-6638 (phone/fax)

Project Billing 1.6
Time and project billing designed for graphics designers, architects, engineers and other professionals
Macintosh 512K or larger.
Project Billing is a full-featured, professional time and project billing package. The program features automatic expense mark-up and Work-In-Progress capabilities and employee costs and billing rates. All information can be sorted by project number, employee, date and type of transaction to be sent to the necessary report. A multiuser version allows for remote entry by any employee using his or her own computer and a file server. A security system and additional project capacity are also included.
$195 retail; Project Billing
$595 retail; Project Billing Plus (network version)
Satori Software; 2815 2nd Ave., Ste. 295; Seattle, WA 98121; 206-443-0765 or 206-728-7068 (fax)

ReproLog
Organizes and tabulates billable reprographic expenses
Macintosh Plus or larger; Microsoft Excel 2.2 or later.
ReproLog organizes and tabulates billable reprographic expenses (photocopying, blueprinting, laser printing, faxing, etc.). Users post individual items to a quick entrylog. ReproLog then computes charges, adds mark-ups and accumulates total charges to a job list, dramatically speeding up a tedious manual task. Two styles (sheet and tablet) of ready to print forms for logging activities at each printer, copier, etc., are included. ReproLog can be modified to log in mileage and travel expenses. ReproLog is System 7 compatible.
$24 retail
StormWorks; 2321 Englewood Ave.; Durham, NC 27705; 919-286-6638 (phone/fax)

Running On Time 2.0
Integrated, multiuser time sheet recording and billing system
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.
Running On Time is a complete time sheet and expense account recording and billing system that delivers integrated time sheet tracking, expense account control and project management capabilities for a broad variety of needs. The module offers an integrated approach to time billing and project management, as it is fully integrated with the high-end Flexware accounting system and seamlessly works with Flexware Job Cost, Accounts Receivable, (optional) and Accounts Payable (optional). An unlimited number of projects, each with up to four levels of control, with their own control budgets and detailed estimates can be managed. Projects track time units, labor, equipment, material and other costs. Running On Time includes sophisticated line by line billing that allows detailed invoicing control. It also includes full expenses account processing, allowing unlimited expenses to be distributed to projects. For PowerBook or off-network users, there is an optional add-on module that allows the recording of time sheet and expense account information, which can then be automatically downloaded to Running On Time.
$995 retail; five-user license included
GlobaLogic Inc.; PO Box 31008; 100 Bayshore Dr.; Nepean, Ontario, Canada K2B 8S8; 613-721-0240 or 613-829-0314 (fax)

Straight Shot Accounting
Tracks billable services and allocates expenses to clients
Macintosh IIci or larger; 3.5 MB of RAM; System 6.0.4 or later.
Straight Shot is a professional accounting package designed specifically for companies that bill professional services and allocate expenses to clients, including organizations such as architects, consultants, accountants, lawyers and advertising firms. Straight Shot has a hierarchical approach to storing and exploring data — double-clicking on any item reveals related information up to six levels deep. For example, double-clicking on a deposit reveals the invoices that make up that deposit. From a single invoice, individual charges can be displayed; from an individual charge, users can see the professional time charge (or vendor charge) from which it was allocated, etc. Straight Shot's powerful "performance analysis" provides instant feedback on the margin and profitability of individual assignments and even the profit contribution of individual employees. Straight Shot can also provide at-a-glance analysis of how thoroughly billable expenses are being allocated to clients for the company as a whole. Straight Shot includes the features of a high-end integrated accounting system: GL, AR, AP, GJ, Payroll, etc.
$1,500 retail
Lincoln Software, Inc.; PO Box 639; Lincoln, MA 01773; 617-259-4135 or 617-259-8727 (fax)

■ Timekeeper 3.1
Time tracking
Macintosh Plus or larger; System 6.0.5 or later; 2 MB of RAM; 1 MB of free hard disk space.
PandaWare Timekeeper is for users who charge clients for their time. It offers extensive reporting, exporting and printing capabilities. Features include tracking a virtually infinite number of clients, projects and activities; lets users track time down to the tenth or quarter hour; users can assign hourly rates to any activity; automatically sums times and charges on every project; automatically creates summary reports for any project; creates daily time sheets; easy data entry — just select items from lists; lets users customize the data they record on each project; and lets users export data on projects to database spreadsheet or other applications for incorporating in their own billing system.
$30 retail

These Products Available Through Bottom Line Distribution
1-800-347-1923

The PandaWare Co.; 4907 Burke Ave. N; Seattle, WA 98103; 206-547-8463 or 206-632-6328 (fax)

■ **Timekeeper XP**
Enters billable time into accounting systems
Macintosh Plus or larger; System 6.0.5 or later; 2 MB of RAM; 1 MB of free hard disk space.

PandaWare Timekeeper XP is designed to help companies enter employees' billable time into their accounting systems. Timekeeper XP simplifies the task of creating timesheets for employees and exports timesheet data to Macintosh or DOS-based PC accounting systems. It saves time and improves the accuracy of both users and the accounting department. The application is customized by The PandaWare Co. to match requirements of each company's accounting system. Timekeeper XP was originally designed for advertising agencies, but meets the needs of any company that bills clients for time spent on projects.
$30 per user retail; minimum 10 users
The PandaWare Co.; 4907 Burke Ave. N; Seattle, WA 98103; 206-547-8463 or 206-632-6328 (fax)

TimeLog
Monitors Macintosh activity
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.

TimeLog is a powerful program that continuously monitors a user's activities on the computer. After initial installation in the System folder, TimeLog automatically keeps a complete record of all application and document usage on the Macintosh. TimeLog offers complete flexibility in reporting via the following four reports: Time History Report, showing the time periods when a user worked on files; Bar Chart Report, showing percentages of time on the various files; Percent Report, showing time percentages in a numeric format; and Time Totals Report, showing the time spent on files in hours, minutes and seconds. Each of these reports can be customized. Users select the applications, documents, folders or disks they want included in the report, along with the time period of interest. The data from these reports can be printed and/or exported to a spreadsheet program for further analysis.
$97 retail
Coral Research; 1294 Las Manos Ln., #2; Santa Barbara, CA 93109; 805-564-8758 or 805-564-8758 (fax)

Timeslips III For The Mac
Time/expense tracking, professional billing and reporting system for client invoicing, project management, department charge backs and employee productivity reports
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.2 or later.

Timeslips III is a DA time and expense tracking and professional billing system for up to 3,400 clients and 250 professionals. It is designed for service professionals who bill by the hour (or flat fee), including design firms, advertising/PR agencies, lawyers, accountants and consultants. Time and expenses can also be batch entered. Timeslips III is a complete accounts receivable program with numerous professional bill formats. Custom reports include: pre-bill worksheet, transaction, client history, aged receivables and productivity management (with graphs). Timeslips III also links with compatible General Ledger programs, such as AtOnce!, Accountant, Inc., ACCPAC/Simply Accounting, Great Plains, Insight, Cash Ledger and MultiLedger, via TAL (Timeslips III Accounting Link).
$299.95 retail
$699.95 retail; Network Edition (supports five stations)
$139.95 retail; Single Station Network Extension
$79.95 retail; Accounting Link
TIMESLIPS Corp.; 239 Western Ave.; Essex, MA 01929; 508-768-6100, 800-285-0999 or 508-768-7660 (fax)

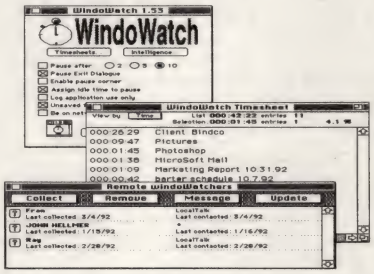
■ **TimeTracker**
Time tracking
Any Macintosh; System 6.0.5 or later.

TimeTracker is an easy-to-use time tracking application that is useful to anyone who bills for time or simply wants to keep track of time events. Users press the Start button to start recording time and create a new time entry and press the Stop button to stop recording time. Each time entry can have associated notes. By entering an hourly rate, TimeTracker computes the charge associated with each time entry. At the bottom of the window, all the time entries and charges are summed into a grand total. All the information can be printed or exported to a separate file for importation into any database, such as FileMaker Pro.
$20 retail
Maui Software; 189 Auoli Dr.; Makawao, HI 96768; 808-572-2406

Total Collections
Delinquent account collections
Macintosh Classic or larger (SE/30 or II recommended); 4 MB of RAM.

Total Collections allows businesses to do a sophisticated and complete job of delinquent account collections in-house. The program is applicable for any business that is concerned about improving their collection results, including businesses that collect for multiple clients. The purpose of Total Collections is to keep track of large amounts of creditor data, generate essentially any type of report, send any number of letters, make phone calls, calculate interest, etc. Current customers utilize their normal billing procedure and then download data into the Total Collections program at some predetermined point (e.g., accounts that are 60 days delinquent). This information can be imported to the program from any mainframe, mini or PC computer. Total Collections is powerful, easy to use and simple to customize.
$995 retail
Capital Transactions; Star Route, Box 50; Greig, NY 13345; 315-348-8551

WindoWatch
Transparently tracks all window usage
Macintosh Plus or larger; System 6.0.3 or later.



WindoWatch offers precision window tracking capability, enabling users to: bill clients accurately according to time spent on a project, justify purchasing more computers or software, document (for the IRS) how the Macintosh is being used at home or improve overall productivity of a workgroup. WindoWatch keeps track of every minute spent in any program and then records this information automatically in the form of a timesheet. Users can configure WindoWatch to ignore the tracking of certain applications, files and windows. The program enables users to collect timesheet entries from users over a network and combine them into a single timesheet. Users can even send messages to other users, notifying them that they are collecting timesheets. Once installed in the System folder, WindoWatch creates a timesheet that automatically tracks all window usage — users can even keep track of paused time when the Macintosh is left idle. The program operates entirely in the background, so it will never interrupt normal use of the Macintosh.
$149 retail
$449 retail; office pack five
$749 retail; office pack 10
ASD Software, Inc.; 4650 Arrow Hwy., Ste. E-6; Montclair, CA 91763; 909-624-2594 or 909-624-9574 (fax)
FAX©NDEMAND 1-800-872-3293 **107**

Time Management

Agent DA
Desk accessory scheduler; personal time manager
Macintosh Plus or larger; System 6.0.5 or later.

Agent DA is a fast, powerful, yet easy-to-use desk accessory scheduler that features a simple, elegant, flexible and convenient scheduling window. With Agent DA, users get a detailed view of all postings at a glance. Its powerful integrated alarms have early reminder and snooze functions, and events may be completed or deleted directly from the reminder window. Opening multiple schedules simultaneously, even over a network, to manage or consult someone else's schedule is a snap. For to-do management, simple menu and keyboard commands allow events to be time based or not, and completed events can be checked off. Its powerful find feature, when combined to copy and paste, allows time reporting and billing. Other features include import/export, a simple, yet intelligent duplicate command for recurring events and flexible printing. It is System 7 compatible.
$99 U.S. retail
Team Building Technologies; 836 Bloomfield Ave.; Montreal, Quebec, Canada H2V 3S6; 514-278-3010, 800-453-7671 (orders) or 514-278-2874 (fax)

Alarming Events 1.1
Personal productivity, scheduling and time management
Macintosh Plus or larger; hard disk drive.

Alarming Events is a personal appointments and schedule keeper that is accessed as a desk accessory under the Apple menu. Users can select notification options for timed events. These options include a pop-up notification dialog, custom sounds, a flashing icon over the Apple menu or no notification. The pop-up notification dialog shows the entire subject and body of an event. It also allows users to deal with events directly without having to open the desk accessory. Print options allow users to print events for one day, one week, an entire month or events for all year. The events are printed in a report format showing the full subject and body, along with the day, time and duration. A reference calendar is also printed with the report. Multiple appointment books are supported, so users can have an unlimited number of appointment books on their hard drives and up to 30 appointment books can be remembered in the menu. Alarming Events lets users archive past events in two ways: archive files can be set up to store past events or past events can be kept in the appointment file for easy reference. Alarming Events supports full import/export capabilities to and from CalendarMaker or tab-delimited text files.
$99.95 retail
PrairieSoft, Inc.; PO Box 65820; West Des Moines, IA 50265; 515-225-3720

Ascend For Macintosh 3.0
Personal information management system
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.

Ascend is a complete personal information management system. Users can work directly with Ascend on a Macintosh, or print out important information to take "on the road." Ascend can print on either 8.5 by 11-inch pages or on Franklin Daily Planner pages. One of Ascend's greatest strengths is in the way it integrates with the Franklin Day Planner. With the ability to print pertinent information, like tasks, appointments, calendars, values and goals, phone and address listings and more, onto Franklin Day Planner pages, valuable information is always available. Ascend comes with a dozen modules to help users become more productive with their time and better maintain key information. Modules include: Prioritized Daily Task List, Appointment Schedule, Daily Record of Events, Address and Phone, Values and Goals, Red Tabs, Master Task List, Focus, Weekly Review, Turbo File, Journal and Favorite Quotes.
$149.95 retail

Franklin Quest Co.; 2550 S. Decker Lake Blvd.; Salt Lake City, UT 84119; 801-975-9992, 800-877-1814 or 801-975-9995 (fax)

■ **Calendar For Excel**
Calendar and to-do list management program within Excel
Macintosh Plus or larger.

Calendar for Excel is a Microsoft Excel macro that creates a variety of calendars and planners. The spreadsheet environment is used to quickly generate daily and weekly planners, including task lists with links to a monthly overview. Users produce professional calendars effortlessly in one month, six month and yearly formats. Calendar for Excel has the powerful features of daily and weekly planner sheets, including task lists and appointment schedules, which are linked to a monthly calendar; sort button to automatically order the task list; print button to automatically select the appropriate print area; and one month, six months and yearly calendars in a variety of formats and arrangements. The product runs on both IBM-compatible and Macintosh platforms and requires Microsoft Excel. It is system 7 compatible.
$49 retail; site license, educational and volume discounts available
BaRaN Systems Ltd.; PO Box 57024; Eastgate Postal Outlet; Sherwood Park, Alberta, Canada T8A 5L7; 403-449-6554 or 403-449-1334 (fax)

CalendarMaker 4.1
Custom calendar generator
Macintosh Classic II or larger.

CalendarMaker creates presentation-quality calendars useful for businesses, schools, clubs, churches, families and more. CalendarMaker helps track and communicate business appointments, personal commitments and special events. The program includes more than 50 pre-defined calendar layouts with one day, one week, two weeks, one month, two months or even one year on a page, with varying time increments depending on the chosen layout. Event information is typed directly on the date. Color, plus different type styles and formatting options for headers, dates, event information and floating notes, help highlight important points. CalendarMaker is fully compatible with ATM and TrueType. To add impact to calendars, clip art graphics and icons can be placed inside floating notes, events or picture frames. With the icon editor's standard paint tools — pencil, eraser, paint bucket, marquee, text tool and eye dropper — users can import, create and edit custom icons, making calendars colorful, memorable and meaningful to the occasion. CalendarMaker includes three event editors, which schedule events that recur daily, weekly or monthly. Exceptions and additions to the recurrences schedules around holidays or other events. A convenient Find feature searches through events and helps locate information quickly. CalendarMaker prints calendars in almost any size. The bigger the calendar, the more information can be shown within each time increment. A calendar can be wallet size or wall size — up to 113 by 113 inches. Calendars can be printed by the LaserWriter, ImageWriter and by color printers, or saved as Paint or PICT files for placement in page layout, presentation or word processing applications.
$59.95 suggested retail
CE Software, Inc.; PO Box 65580; West Des Moines, IA 50265; 515-221-1801 or 515-221-1806 (fax)

CalScan 3.1
Cross-platform scheduling software for Macintosh and PC users
Macintosh Classic or larger; 2.5 MB of RAM; hard disk drive; dedicated file server recommended; System 6.0.3 or later; IBM or compatible.

CalScan schedules appointments, multiday meetings and group conferences for networked Macintosh and PC users. It includes daily and weekly views for direct appointment entry and yearly views for easy navigation to any date. The Group Planner Matrix provides a graphical presentation of networked users' schedules for easy group meeting scheduling. The Overbook feature enables users to accept up to three meetings for any one time slot. Other features include: daily, weekly and monthly printouts that fit onto preperforated paper for most personal organizers; repetitive group meeting scheduling; automatic message and calendar updating; new meeting and meeting change notification; recurring event scheduling; and next available day find option for group meeting scheduling.
$399 to $899 retail; five users to 100 users (100+ users available)
RBC, Inc.; 2101 Wilson Blvd., Ste. 801; Arlington, VA 22201; 703-243-9550 or 703-243-7854 (fax)

The Daily Planner And Calendar Publisher 3.0
Theme-based daily planner and calendar publisher
Macintosh Plus or larger; hard disk drive; System 6.0.7 or later.

The Daily Planner and Calendar Publisher is a full-featured, theme-based daily planner and calendar publisher. It includes an easy-to-use, perpetual appointment calendar, scheduling features and list and address book organization tools. Users can plan and view their schedules by day, week, month or year and can print each calendar in a variety of sizes and formats to fit popular paper-based personal organizers. Repeating events are easy to set using the powerful event editor. Events that occur on a regular basis can be created to appear in any or all of the Daily Planner and Calendar Publisher views; and audio alarms can be set to remind users days, hours or minutes before important appointments. Users can easily change and reschedule appointment information with the drag-and-drop feature. The Daily Planner and Calendar Publisher series is designed in two modules: the daily planner and calendar publisher engine module and theme pack module. Theme packs available include The Far Side Volume I, II and III; Cathy; Trivial Pursuit Genus Edition; Trivial Pursuit Sports Edition; and Random House Word-A-Day. The Daily Planner and Calendar Publisher's unique architecture allows users to add theme packs without replacing the Daily Planner and Calendar Publisher itself. Users can have more than one theme on their computer and can switch between them at any time.
$59.95 retail
$19.95 each retail; theme pack modules
Delrina Corp.; 6830 Via Del Oro, Ste. 240; San Jose, CA 95119; 408-363-2345, 800-268-6082 or 408-363-2340 (fax)

DateBook Pro 4.0
Calendar organizer
Macintosh Plus or larger; System 6.0.7 or later (System 7 required for integration and Drag & Drop).

DateBook Pro is the complete calendar solution for the home, the office or the road. DateBook Pro combines calendars, scheduling, projects, To-Do lists and alarms. When users are away from their desks, it can beep them on their pager using Notify! paging system. Users can print custom and standard formats from 10 by 10 wall charts to their favorite organizer to take on the road. Users can use DateBook Pro's project view to easily outline and track the progress of grouped events and To Dos. For quick access to presentations, spreadsheets and proposals, users can attach and launch documents from the calendar. Users can view their schedule and add calendar items without launching the program. When scheduling an appointment, users simply drag and drop contacts from TouchBase Pro, Aldus' address book solution, to DateBook so that names, addresses and phone numbers are attached to their calendar. DateBook Pro keeps users organized and on time.
$89.95 retail
Aldus Corp. Consumer Division; 5120 Shoreham Pl.; San Diego, CA 92122; 800-888-6293 or 619-558-8723 (fax)

DateView 1.0
Calendaring and to-do list management program
Macintosh Plus or larger; System 6.0.5 or later.

Users can schedule their time with this powerful, yet easy-to-use calendaring and to-do list management program. Users can list, group and prioritize their daily calendar events and to-do items; reschedule an event by simply dragging it to a new date or time; view their calendar by day, week or month (if the view users want doesn't exist, they can create it themselves); attach automatic reminders and create repetitive events; and print their schedule in all the common formats. DateView can also be used with InTouch, Advanced Software's contact management program. In combination, users can use InTouch to schedule events that appear in the DateView calendar and use DateView to search for InTouch contacts and attach them to DateView calendar events. These products can be used by themselves or together to totally organize contacts, schedules and to-do lists. DataView also includes autodialing capabilities.
$99.95 retail
Advanced Software, L.C.; PO Box 65670; West Des Moines, IA 50265; 515-225-9620 or 515-225-2422 (fax)

Easy Alarms 2.1
Calendar, reminder and to-do list manager
Macintosh Plus or larger; System 6.0.5 or later.

Easy Alarms will never let users forget another important meeting, task or birthday. Easy Alarms is a calendar, reminder and to-do list manager for the Macintosh. It will manage users' schedules automatically, remind them of upcoming events and keep track of all those things they need to do. Users simply tell Easy Alarms in advance what they'd like to be reminded of and when. Then, at the appropriate time, Easy Alarms alerts users with a message. Reminders can display just once or can automatically repeat every hour, day, week, month, year, etc. Users can even send reminders, including text, recorded sound, voice messages and AppleEvents scripts, to other Easy Alarms users on the network. With System 7's file sharing, users can open remote calendars across their network. Users can then view items in their calendars. System 7's read/write sharing settings allow users to have private and limited-access calendars.
$49 retail
$149 retail; five users
$249 retail; 10 users
Nisus Software, Inc.; PO Box 1300; 107 S. Cedros Ave.; Solana Beach, CA 92075; 619-481-1477, 800-922-2993 or 619-481-6154 (fax)

Enterprise Time Capture (ETC)
Personal scheduling
Macintosh Plus or larger; 2.5 MB of RAM; System 6.0.8 or later.

Enterprise Time Capture (ETC) is an easy-to-use personal scheduling application that allows users to maintain a diary of meetings, phone calls and events, schedule collaborative meetings with other ETC users, track daily expenses and capture chargeable time automatically for billing and analysis purposes. It is designed for organizations that bill time to their clients, track time internally for accurate cost analysis purposes or project management. Based on the Butler SQL database server, ETC can be easily integrated with an organizations' current accounting system. ETC empowers users to maintain an easy-to-use desktop diary that automatically synchronizes with an enterprise-wide database. In this diary, users typically drag out a block of time and enter information pertinent to the event; information such as an event description, client ID or internal charge code, work type code and perhaps even associated expenses.
$4,950 retail; 50 users
Everyware Development Corp.; 6543 Mississauga Rd.; Mississauga, Ontario, Canada L5N 1A6; 905-819-1173 or 905-819-1172 (fax)

First Things First V3.0
Task scheduler/reminder tool
Macintosh Plus or larger; System 6.0.4 or later.

First Things First is a priority management utility that is extremely fast and easy to use. The INIT-loaded application can be instantly accessed by clicking on a Floating Clock Icon that stays on top of any active window or application — anywhere a user puts it, including the menu bar. Reminders appear in the form of similarly Floating Clock Icons that users can click on. Features allow easy editing and rescheduling. First Things First also provides up to 96 to-do list categories in which to arrange prioritized action items, reminders, etc.
$79.95 retail
Visionary Software, Inc.; 1820 SW Vermont, Ste. A; Portland, OR 97219; 503-246-6200, 800-877-1832 or 503-452-1198 (fax)

Imaja Reminder
Time management
Macintosh Plus or larger.

Imaja Reminder can be used to schedule a user's day, week, month or year. Appointments can be easily entered, changed and moved by pointing, clicking and

These Products Available Through Bottom Line Distribution
1-800-347-1923

dragging. Users can instantly choose Day, Week, Month, Year, List or Directory windows with keyboard commands. Any window can be zoomed to fill the entire screen. Users can tile windows in many useful arrangements. Repeating events can be scheduled as yearly, monthly, weekly, daily or other intervals. Events can be prioritized and categorized, including color coding and filtering. Find and Find Next commands are used to search the calendar and directory. There are separate settings for the screen font and printer font. Imaja Reminder plays a sound of a user's choice when it is time for an event. Year, month, week, day or full listing views may be printed. Any view can be saved as a PICT file for use in other applications. Imaja Reminder runs under MultiFinder and System 7. Balloon Help and online documentation is included.
$50 retail
Imaja; PO Box 6386; Albany, CA 94706;
510-526-4621, 800-294-6252 or 510-559-9571 (fax)

In Control 3.0
Planner and organizer
Macintosh Plus or larger, including PowerBooks; System 6.0.5 or later.

In Control is a complete planner and organizer that integrates full-featured daily, weekly and monthly calendars with the multicolumn Action Outliner to actually help users plan smarter. In Control easily manages recurring events, displays banners for multiday activities and sorts tasks in any order. Automatic reminders and auto carry-forward make sure nothing slips by. Instant Lookup lets users access FileMaker Pro, Touchbase Pro, Now Contact or Dynodex files. In Control will even automatically dial the phone. Users can launch any application's documents directly from In Control, and print great looking output to paper organizers.
$129.95 list; single user
$319.95 list; three pack
$479.95 list; five pack
Attain Corp.; 48 Grove St.; Somerville, MA 02144;
617-776-1110, 800-925-5615 or 617-776-1626 (fax)

Meeting Maker 1.5
Precision scheduling for groups
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.

Meeting Maker is a network application that helps users plan, schedule and confirm meetings. Users can schedule a time and date, select required guests, reserve rooms and resources and prepare agendas. Meeting Maker also has a personal calendar that allows users to block out personal activities. The Meeting Maker proxy feature allows users to give another user read and/or write access to their calendar, so they can propose meetings and schedule activities on the user's behalf. The Meeting Maker calendar can be printed in a variety of formats, including a monthly view, and can be exported to many of the popular executive organizers, such as Sharp, Casio and HP-95LX. Meeting Maker is System 7 compatible.
$495 retail; five-user pack
$895 retail; 10-user pack
ON Technology, Inc.; One Cambridge Center;
Cambridge, MA 02142; 617-374-1400, 800-548-8871 or 617-374-1433 (fax)

Meeting Maker XP
Windows and Macintosh interoperable group scheduler
Macintosh SE or larger for server (Macintosh Plus or larger for client); 2.5 MB of RAM for server (2 MB of RAM for client); System 6.0.4 or later.

Meeting Maker XP is a Windows and Macintosh interoperable group scheduling product that allows users of both platforms to plan, schedule and confirm meetings without leaving their computers. At the heart of Meeting Maker XP is the ability to seamlessly propose, coordinate and manage meetings with co-workers running on either platform over the network. The "Propose Meeting" feature allows users to schedule a time and date, select required guests, reserve conference rooms and resources, prepare agendas and send attachments. The "Auto-Pick" feature automatically finds the first available time for all required attendees. The current status of each proposed meeting can also be closely tracked. The product also includes: a personal calendar for individual appointments and activities; monthly, weekly and daily views and the ability to work from any of them; "proxy" access, which allows other people to act on a user's behalf, and the ability to view multiple colleagues' calendars at the same time; group to-dos, allowing colleagues to create to-dos (with dates) and add other users as participants; configurable reminders for meetings and activities with a snooze option; and support for a variety of printing formats (Day Runner, Filofax, Day Timers and Franklin Day Planner). XP also has a portable client and fully supports PC laptops and Macintosh PowerBooks. XP is E-mail independent and can run with any E-mail package on the market today.
$790 retail; 10 users
$3,950 retail; 50 users
ON Technology, Inc.; One Cambridge Center;
Cambridge, MA 02142; 617-374-1400, 800-548-8871 or 617-374-1433 (fax)

Now Up-To-Date 2.1
Calendar, reminder and to-do list manager
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later.

Now Up-to-Date is an intelligent time management system designed for business professionals who want to organize their personal calendar and coordinate their schedule with their associates. Users can edit or view their calendar in month, week or day-view formats. The program combines a user's personal calendar events with public events shared over the network. Reminders automatically alert users prior to scheduled events. Calendars can be printed in standard organizer formats or a wall chart. It can be used for organizing a schedule, setting reminders and sharing information with others. Now Up-to-Date is System 7 compatible. It works with Now Contact to create the ultimate personal organizer.
$99 retail; single user
$149 retail; bundled with Now Contact
$449 retail; five pack
$799 retail; 10 pack
$3,799 retail; 50 pack
Now Software, Inc.; 921 SW Washington, Ste. 500;
Portland, OR 97205; 503-274-2800, 800-237-3611 or 503-274-0670 (fax)

OfficePro TimeClock BarCode
Records and tabulates activity time
Macintosh II or larger; Microsoft Excel 4.0 or later.

OfficePro TimeClock is a software timeclock that records Time In and Time Out with one swipe of a bar-encoded I.D. card through a "Slot Scanner," or manually at the click of a button, for up to 50 workers, or by a single worker for up to 50 job actions or different jobs. TimeClock automatically produces detailed weekly, bi-weekly or bi-monthly time logs with optional daily or weekly overtime totals, and allows administratively-controlled manual time entry for past and future events, and a choice of easily set multiple security and reporting options. Now includes worksheets for tracking sick leave, vacation time, etc. California-standard overtime version is available. A 100-user version is available by custom order.
$98 retail
$588 retail; with Bar-code reader, "swipe" scanner and cable
StormWorks; 2321 Englewood Ave.; Durham,
NC 27705; 919-286-6638 (phone/fax)

Schedule Maker 4.0
Personnel management system
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; printer.

Schedule Maker is a personnel management system that combines an employee database with graphic-controlled scheduling to produce professional schedules. Features include: schedule on hour, half-hour or 15 minute increments; controls scheduling to prevent conflicts, such as double scheduling a worker on the same day; constant update of financial statistics on screen as a user prepares a schedule worksheet; view cost of labor as a percentage of (projected) sales or percentage of budgeted labor dollar amount; worksheet accommodates seven-day swing shift schedules; mark workers for special days off, vacations, sick leave, training skill levels or any other unique variable that would effect the scheduling period; split shifts are as easy as clicking a second drawbar and adding the new hours; prints professional looking worker schedules for posting; and export/import data for use in other Macintosh programs.
$395 retail
Craig Systems, Inc.; 16717 Monitor Ave.; Baton Rouge, LA 70817; 504-756-2322 or
504-756-4803 (fax)

Seize The Day
Illustrated personal organizer
Macintosh SE or larger; 4 MB of RAM; color monitor.

Seize the Day combines exquisite beauty with ingenious function. Users will find everything they need to stay organized — Daily Journal, To Do List, Project List, Appointment Book, Phone/Address Book and great-sounding Alarms. They'll also find something to inspire them — a daily quote and journal entry about personal success, a remarkable idea from This Day In History is one of the 12 animated Living Worlds that change constantly.
$59.95 retail
Seize the Day, Inc.; 3380 Highway 128; Calistoga,
CA 94515; 707-942-9391 or 707-942-2998 (fax)

ShiftWorker
Employee scheduling system for any business that works more than one shift
Macintosh Plus or larger; hard disk drive; printer recommended.

ShiftWorker simplifies the scheduling process, allowing management to concentrate on more important aspects of a job. The system provides consistent, impartial scheduling based on seniority, preferences, availability, absences, overtime preferences, target and maximum hours. The system uses three types of data as input: employee data that provides each employee's preferences and availability, number of hours an employee can expect to work and a maximum allowed; shift definitions that describe start and stop times of each shift; and schedule requirements that define number of employees needed for each shift/day. Information for each department in an organization is stored on a hard disk and may be updated when there is a change in employees, work requirements or shift times.
$229 retail
Expert Systems, Inc.; 2616 Quebec Ave.; Melbourne,
FL 32935; 407-242-0140 or 407-242-1754 (fax)

Smart Alarms 7 & Multi-User Appointments 7
Personal and office scheduling systems; networkable on AppleShare
Macintosh Plus or larger; System 7.0 or later.

Smart Alarms 7 & Multi-User Appointments 7 is ideal for professional offices (medical, legal, consulting) where several calendars are needed and are currently operating on a network. Smart Alarms allows users to create reminders from the Apple menu that interrupt users at an appointed time. Users can edit the reminder, change the time for the reminder to fall due, schedule and advance warning or schedule for the reminder to recur at set intervals from minutes to years. Appointments is a daily calendar that keeps track of all appointments. Notes and time can be set from a user's calendar directly into Smart Alarms to remind a user of scheduled events. Smart Alarms & Appointments is System 7 compatible.
$49 retail; single user
$89 retail; one to four users
$150 retail; five to eight users
$212 retail; nine to 15 users
$265 retail; 16 to 25 users
JAM Software USA; PO Box 4036; Meriden,
CT 06450; 203-630-0055, 203-686-1900 (fax), Int. +
612-550-0884 (Australia) or 612-564-3353 (fax)

Smart Alarms 7 With Appointments 7
Personal and office scheduling systems
Macintosh Plus or larger; System 7.0 or later.

Smart Alarms allows users to create reminders from the Apple menu that interrupt users at an appointed time. Users can edit the reminder, change the time for the reminder to fall due, schedule an advance warning or schedule for the reminder to recur at set intervals from minutes to years. Appointments is a daily calendar that keeps track of all appointments. Notes and time can be set from a user's calendar directly into Smart Alarms to remind a user of scheduled events. Smart Alarms With Appointments is System 7 compatible.
$49 retail
JAM Software USA; PO Box 4036; Meriden,
CT 06450; 203-630-0055, 203-686-1900 (fax), Int. +
612-550-0884 (Australia) or 612-564-3353 (fax)

Smart Schedules
Corporate and professional scheduling system
Macintosh Plus or larger; 1 MB of RAM; System 7.0 or later.

Smart Schedules has been designed as a corporate and professional scheduling system to operate on Macintosh networks. Designed to allow scheduling of personnel, workgroups and facilities, Smart Schedules is based on a schedule card concept. This allows multi-diary viewing on the screen at any time to schedule meetings, appointments or activities. When scheduling a meeting, users have available a variety of time slots (user definable) and the ability to add or attach notes, or to-dos, for that meeting. Smart Schedules can quickly search for the first available time (according to the parameters set in the preferences) and schedule the meeting. An important scheduling facility is the ability of Smart Schedules to notify the attendees of the meeting and also remind them before time to attend. Simplicity is the key to operation, and by double-clicking on any function icon, users can access the Browser for that function. The Browser is the listing of those particular functions, such as reminders, to-dos, notes, etc., which can be resorted into date/detail/priority sequences. Smart Schedules also incorporates a phone/address book facility with an integrated "set appointment" and reminder function. Smart Schedules is network compatible.
$99.50 retail; Smart Schedules Personal
$260 retail; Smart Schedules
$375 retail; two users
$675 retail; five users
$1,200 retail; 10 users
$2,875 retail; 25 users
$5,500 retail; 50 users
Site licenses are available
JAM Software USA; PO Box 4036; Meriden, CT 06450; 203-630-0055, 203-686-1900 (fax), Int. + 612-550-0884 (Australia) or 612-564-3353 (fax)

TeamAgenda
Personal and group scheduler
Macintosh Plus or larger; System 6.0.4 or later.

TeamAgenda is an all-in-one time management tool that effectively organizes a user's personal schedule while, at the same time, seamlessly coordinates multiple personal schedules and company resources. TeamAgenda allows the viewing of multiple schedules in detail on one screen. Meetings and facilities can be booked very easily by quickly finding first common time available between multiple personal schedules and company resources. TeamAgenda can be connected to the Newton MessagePad to let users take their schedule with them, and synchronize again with the Macintosh when back at the office. With System 7 Pro, users can take advantage of Apple's PowerTalk electronic mail system. When answering appointment requests from those without TeamAgenda, users just drag requests from their PowerTalk mailbox to the appropriate day in their TeamAgenda schedule. TeamAgenda can also be used with AppleTalk Remote Access for remote coordination with the office. Other features include To-Do list and Reminders, creation of Domains useful for time-billing purposes, Carry Over of items, automatic highlighting of conflicts when reconnecting to the network from a PowerBook, delegate to others and more.
$99 retail; single user
$399 retail; five users
MacVONK Canada Inc.; 940 6th Ave. SW, #1100; Calgary, Alberta, Canada T2P 3T1; 403-232-6545, 403-232-6425 (fax) or (49) 9134-7447 (in Europe)

Things To Do!
To-do list application
Macintosh Plus or larger; System 7.0 or later.

Things To Do! is a System 7-savvy to-do list application that allows users and workgroups to keep on top of the many projects, tasks and reminders needed throughout the day. Things To Do! allows organization of to-do items and reminders in easy-to-use columnized lists with colorful icons to represent different item types, such as "Errand," "Call" or "Meeting." To-do lists can be shared with any number of co-workers. Tasks can be assigned to individuals and items categorized by project names that users set. Users can set priorities, add reminders, attach sound notes, text notes or files to any item on the list. Built-in AppleScript functionality allows users to link to-do list items with information in other AppleScript aware applications.
$99 retail; single user
$295 retail; five-user pack
$495 retail; 10-user pack
Milum Corp.; PO Box 163985; Austin, TX 78716; 512-469-2966, 800-257-2120 or 512-469-2920 (fax)

Time ADvisor
Automatic time keeping for System 7 users
Any Macintosh operating on System 7.

Time ADvisor is an automatic time keeping system that is an easy-to-use, comprehensive solution to help users produce their daily time sheet. With Time ADvisor, the time sheet is created as users work, eliminating the need for hand written notes or manual paper time sheets. At the end of each day, users decide when to print the computerized worksheet representing that day's (or week's) complete activities. Users can also choose to save each computerized worksheet by archiving them to a special folder on the computer. The TA system icon lives on the Macintosh menu bar and is always available at the click of a mouse button or keystroke, no matter what application is being used. Time ADvisor's easy access makes logging time fast and convenient. Users can also record materials usage such as laser prints and scans. Based on an innovative Triggering Technology, Time ADvisor prompts users at logical points in their work process. As users launch their desktop publishing or administrative programs, Time Advisor's triggers kick in, and together users and Time Advisor tabulate an accurate and detailed acount of job activity. Because Time Advisor is a system extension, elapsed time is displayed on the menu bar and the time of day for each logged entry is stamped on the time sheet. Options that users can control include: minimum billing increments, manual logging features, setting the trigger function, passwords for restricted access to options and much more. It uses System 7 technology to master list of jobs, tasks and resources available to anyone on the network. The data sharing feature is accomplished without increasing memory, without upgrading the Time ADvisor software and without increasing the costs. Time ADvisor data is completely open and accessible to any spreadsheet, database or word processing application.
$199 retail; single user
$499 retail; three-user
$1,500 retail; ten-user
$3,125 retail; 25-user
The ADvize Group; 308 Third St.; Alexandria, VA 22314; 703-548-5155, 800-943-5787 or 703-836-6453 (fax)

Under The Sun 2000
CD-ROM-based calendar enhanced with QuickTime video
Macintosh LC or larger; 4 MB of RAM; 8-bit color monitor; System 7.0 or later; double-speed CD-ROM drive.

Combining the sensory aspects of video and the physical properties of paper, this product brings the calendar form into the 21st Century. Under the Sun is the first CD-ROM-based calendar enhanced with QuickTime video. The unique footage features sports-oriented segments, enabling users to momentarily escape the routine of the day with a click of the mouse. Video content consists of parasailing in France, extreme skiing in Colorado, snowboarding in Oregon, sea kayaking in Alaska and other action-filled vignettes. The calendar functionality permits users to schedule appointments on a daily basis with the added benefit of providing a month-at-a-glance view on the computer screen. It can also make available a printout of a user's schedule on a daily or weekly basis to accommodate travel.
$34.95 retail
Johnson Books Electronics; 1880 S. 57th Ct.; Boulder, CO 80301; 303-433-1576 or 303-443-1679 (fax)

What Are You Doing Today, Charlie Brown?
Time management
Macintosh Plus or larger; hard disk drive; color display recommended; System 6.0 or later.

Now users can enjoy the Peanuts Gang in color every day of the year. Their inspiring humor can help users plan and organize all their busy activities for years to come. Users choose their favorite activity icon to track and view family, group, club or individual events. It's so easy to use, the whole family will want to print their own personal activity schedules. The program offers users serious daily planning, plus stunning color cartoons everyday, cartoon printouts to go or Snoopy dancing on call. Users will never forget anything when they use the handy To Do list with automatic carryover for unfinished items. And Snoopy's universally recognized "Supper Time" dance will hilariously remind users of all their alarmed events.
$24.95 retail
Individual Software, Inc.; 5870 Stoneridge Dr., #1; Pleasanton, CA 94588; 510-734-6767, 800-822-3522 or 510-734-8337 (fax)

Training

"People Who Lead People" CD-ROM
Interactive multimedia CD-ROM for business
Color Macintosh; CD-ROM drive.
$99 retail
PERC/Macromedia Consulting Group; 4774 Bogie Rd.; Duluth, GA 30136; 404-447-1876, 800-822-7372 or 404-416-6567 (fax)

3-D Tutor
Delivers tools, techniques and technology to become three-dimensionally literate
Macintosh LC or larger; 5 MB of RAM; 13-inch or larger monitor; 8-bit color; System 7.0 or later; CD-ROM drive.
$119.95 retail
Zelos!; 110 Pacific Ave., Ste. 219; San Francisco, CA 94111; 415-788-0566, 800-345-6777 or 415-788-0562 (fax)

At Ease With QuarkXPress
Self-paced training system
Macintosh Plus or larger; QuarkXPress 3.1, 3.2 or 3.3.
$48.95 per module retail
Maclearn Computer Training; 255 Great Arrow Ave.; Buffalo, NY 14207; 416-466-8013 or 800-387-5327 (orders only)

■ **Calibrating Monitor And Imagesetter**
Computer training video
VCR.

Calibrating Monitor and Imagesetter is a step-by-step, non-complicated guide to assuring that what users see on their monitor is what they get in the final printed piece. Instructions on monitor calibration are step by step and easy to follow with clear illustrations and techniques anyone can put into practice immediately. Whether the imagesetter is onsite or elsewhere, users can help assure that it is properly calibrated and actually understand how it's done. Discussions include transfer curves, transfer functions, different calibration systems and techniques that work in both color and gray scale.
$89 retail
$19 retail; rental
CareerTapes Enterprises; Richardson Shores; Box 309; Center Harbor, NH 03226; 603-253-7470

Caseys' Tutors
Interactive training systems
Macintosh Plus or larger; 4 MB of RAM; System 7.0 or later; CD-ROM player.
$249 retail; Illustrator Tutor
$249 retail; Photoshop Tutor
$10 retail; Demo CD
Caseys' Page Mill; 6528 S. Oneida Ct.; Englewood, CO 80111; 303-220-1463, 800-544-5620 or 303-220-1477 (fax)

■ **Color Separation**
Computer training video
VCR.

Color Separation is designed to help users get commercial-quality color separations from a Macintosh desktop system. Users will learn what UCR and GCR are, how they impact printed files and how to properly prepare electronic files to get the full benefits of each. Separation file types are discussed with illustrations and demonstrations of how to use the separation features of Adobe Photoshop, Aldus PrePrint, QuarkXPress and Aldus PageMaker. Discussions include pre- and post-scan sharpening, duotones and resizing for maximum quality and performance.

These Products Available Through Bottom Line Distribution
1-800-347-1923

$89 retail
$19 retail; rental
CareerTapes Enterprises; Richardson Shores; Box 309; Center Harbor, NH 03226; 603-253-7470

■ **Color Trapping**
Computer training video
VCR.
This course will help users understand what trapping is, how it's done and how to properly prepare desktop files for commercial printing. Advanced trapping techniques, such as under tints and undercuts, are taught and illustrated along with proper trapping procedures to be applied in Aldus PageMaker, QuarkXPress, Aldus FreeHand and Adobe Illustrator. Discussions include trapping of multicolored objects, global trapping software and determining trap amounts and colors to produce results that exceed commercially acceptable standards.
$89 retail
$19 retail; rental
CareerTapes Enterprises; Richardson Shores; Box 309; Center Harbor, NH 03226; 603-253-7470

Computer Assisted Classroom Training Improvement System
Delivers education and training presentations
Macintosh IIsi, IIci, Centris, Quadra or PowerBook.
Call for pricing; varies depending on chosen hardware solution
Tech Tra, Inc.; a subsidiary of Consulting Associates, Inc.; 825 Greenbrier Cir., Ste. 205; Chesapeake, VA 23320; 804-523-2458, 800-989-6555 or 804-424-0239 (fax)

ComputerPrep, Inc.
Training
Macintosh Plus or larger.
Call for pricing
ComputerPrep, Inc.; 410 N. 44th St., Ste. 600; Phoenix, AZ 85008; 602-275-7700, 800-228-1027 or 602-275-1603 (fax)

Corporate Solutions Macintosh Courseware
Classroom training materials
Macintosh Plus or larger; hard disk drive.
$25 retail; each student workbook (minimum order of five per course title)
Corporate Solutions; 120 Montgomery St., Ste. 1970; San Francisco, CA 94104; 800-622-4686 or 415-392-2318 (fax)

Courseware For Canvas 3
Classroom materials
Macintosh Classic or larger; hard disk drive; instructor requires overhead projector or big screen.
$295 retail; per module
$20 retail; per student workbook
Acacia Systems; 681 Mira Mar; Long Beach, CA 90814; 310-437-7690 or 714-995-0606 (phone/fax)

Cross Country Instrument Flight Trainer
Radio instrument flight trainer
Macintosh Plus or larger; hard disk drive recommended.
$49.95 retail
T-34 Microsystems, Inc.; 1650 Prudential Dr., Ste. 300; Jacksonville, FL 32207; 800-543-2259 or 904-396-0926 (fax)

CSS Group Desktop Publishing Training Video Series
Training
VHS.
$39.95 to $49.95 retail
Color Systems Support Group; 11865 IH10 West, Ste. 611; San Antonio, TX 78230; 210-691-8444, 800-448-8432 or 210-561-9788 (fax)

Elite Personal Simulators For Flight
Advanced flight simulators
Macintosh II or larger (or Macintosh LC or IIsi with math coprocessor); 2 MB of RAM; 13-inch color display.
$499 to $849 retail
AzureSoft; 1250 Aviation Ave., #240; San Jose, CA 95110; 408-947-6675, 800-282-6675 or 408-947-8595 (fax)

EventPro
Event scheduling/training management
Macintosh Plus or larger [multiuser requires Macintosh SE/30 or larger as server and Macintosh Plus or larger as client(s)]; hard disk drive; System 6.0.5 or later; 3,500K RAM memory allocation.
$1,999 retail; single user
$3,999 and up retail; multiuser
Vector Teknologies, Inc.; 952 N. Adair St.; Cornelius, OR 97113; 800-359-7569 or 503-357-1479 (fax)

Foundation CBT
Provides a single platform for an organization's training needs
All current Tandem computer environments using Macintosh workstations.
Call for pricing
Menlo Business Systems, Inc.; 201 Main St.; Los Altos, CA 94022; 415-948-7920 or 415-949-6655 (fax)

■ **How To Use PageMaker 5, Parts I And II**
Self-paced training
Any Macintosh; PageMaker 5; standard audiocassette player.
How to Use PageMaker 5, Parts I and II is an audiocassette-based interactive course that teaches the features of PageMaker 5 in an easy-to-understand format. The only equipment needed, besides a Macintosh system running PageMaker 5, is a standard audiocassette player. Learners are introduced to the basic features of PageMaker 5, as well as those of desktop publishing itself. Learners create documents, change fonts and sizes and use special effects. Hands-on practice is provided. The FlipTrack format allows optional branching tailored to fit individual needs.
$125 retail
OneOnOne Computer Training; 2055 Army Trail Rd., Ste. 100MPR; Addison, IL 60101; 708-628-0500, 800-424-8668 (orders) or 708-628-0550 (fax)

Interactive Training For Macromedia Director
Courseware
Macintosh SE/30 or II family; 4 MB of RAM; hard disk drive; 13-inch or larger color monitor; 8-bit color card; Macromedia Director 3.0 or later.
$199 retail
Media In Motion; PO Box 170130; San Francisco, CA 94117; 415-621-0707 or 415-621-1724 (fax)

Introduction To Design For Desktop Publishing
Teaches basic design know-how to users of desktop publishing equipment
Standard cassette player.
$175 retail
OneOnOne Computer Training; 2055 Army Trail Rd., Ste. 100MPR; Addison, IL 60101; 708-628-0500, 800-424-8668 (orders) or 708-628-0550 (fax)

Learn Graphic Design
Video-based graphic design training
VHS or VHS/PAL videotape player.
$195 retail; per volume
$340 retail; two-volume set
VideoTutor; 903 Texas Trail; Austin, TX 78737; 800-252-1225 or 512-288-5046 (fax)

Learn PageMaker 3.0 For The Macintosh
Video-based PageMaker training
Macintosh Plus or larger; PageMaker; VCR.
$95 retail
VideoTutor; 903 Texas Trail; Austin, TX 78737; 800-252-1225 or 512-288-5046 (fax)

Learning Graphic Design With Jan V. White
Computer video
VCR.
$195 per volume retail
$25 per volume retail; rentals
CareerTapes Enterprises; Richardson Shores; Box 309; Center Harbor, NH 03226; 603-253-7470

LiNX Test Factory
Builds interactive multimedia tests and training modules
Macintosh Plus or larger; System 6.0.5 or later; IBM PCs and compatibles running Windows 3.1 or later.
$639 retail
$18,000 retail; with unlimited runtime license
Warren-Forthought, Inc.; 1212 N. Velasco; Angleton, TX 77515; 409-849-1239 or 409-849-1278 (fax)

Logical Operations
Training materials
Macintosh SE or II; hard disk drive.
$28 to $250 retail
Logical Operations; 595 Blossom Rd.; Rochester, NY 14610; 716-482-7700, 800-456-4677 or 716-288-7411 (fax)

The Mac Internet Tour Guide
Newcomer's handbook for navigating the Internet
Macintosh Plus or larger; 4 MB of RAM; Internet connection; modem; System 7.0 or later.
$27.95 retail
Ventana Press; PO Box 2468; Chapel Hill, NC 27515; 919-942-0220, 800-743-5369 (orders only) or 919-942-1140 (fax)

Mac, Word & Excel Desktop Companion 2nd Edition
Three-in-one guide
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 7.0 or later.
$24.95 retail; book/disk set
Ventana Press; PO Box 2468; Chapel Hill, NC 27515; 919-942-0220, 800-743-5369 (orders only) or 919-942-1140 (fax)

MacAcademy Video Training Series
Macintosh training
Any Macintosh.
MacAcademy's video library contains more than 200 different Macintosh training tapes. Each two-hour VHS video tape captures the unique and effective teaching and learning techniques of MacAcademy's top instructors. Topics include: 4th Dimension, 10 Secrets of Marketing Magic, Canvas, ClarisWorks, Design and Layout, Director, Electronic Desktop to Pre-Press, Excel, FileMaker Pro, Fonts, FreeHand, GreatWorks, How to Master the Macintosh Computer, HyperCard, Illustrator, Infini-D, Lotus 1-2-3, MacDraw Pro, Mac P&L, MacProject Pro, MacWrite Pro, Microsoft Works, Networking, PageMaker, Paints and Draws, Peachtree Accounting, Persuasion, Photoshop, PowerBooks, PowerPoint, QuarkXPress, Quicken, SuperPaint, System 7, Troubleshooting, Utilities, Word and WordPerfect.
$49 retail; per two-hour tape
MacAcademy; 100 E. Granada Blvd.; Ormond Beach, FL 32176; 904-677-1918 or 904-677-6717 (fax)

The Macintosh Survival Course
Troubleshooting and data recovery techniques for the Macintosh
VCR.
$295 retail
Technology Interchange Group, Inc.; 429 Getty Ave.; PO Box 2107; Clifton, NJ 07015; 201-478-3606 or 201-478-7742 (fax)

Mavis Beacon Teaches Typing
Typing teacher
Macintosh Plus or larger; 1 MB of RAM (1.5 MB for color); hard disk drive; System 6.0.7 or later.
$49.95 retail
The Software Toolworks; 60 Leveroni Ct.; Novato, CA 94949; 415-883-3000, 800-234-3088 or 415-883-3303 (fax)

Nothing But Lingo
Learn to program in Macromedia Director
VCR and monitor (NTSC or PAL).
$49.95 retail
2-Lane Media; 1575 Westwood Blvd., Ste. 301; Los Angeles, CA 90024; 310-473-3824 or 310-473-6736 (fax)

The Official America Online For Macintosh Membership Kit & Tour Guide, 2nd Editi
Offers everything needed to get up and running with America Online
Macintosh Plus or larger; hard disk drive; modem.
$27.95 retail
Ventana Press; PO Box 2468; Chapel Hill, NC 27515; 919-942-0220, 800-743-5369 (orders only) or 919-942-1140 (fax)

On Track For Training
Integrated system for training administration
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; Finder 6.1/System 6.0.2 or later.
$2,495 retail; single user
$8,495 and up retail; multiuser
DKSystems, Inc.; 444 N. Michigan Ave.; Chicago, IL 60611; 312-644-2700 or 312-644-2703 (fax)

OneOnOne Computer Training
Self-paced training
Macintosh Plus or larger; audiocassette player.
$125 to $175 each retail
OneOnOne Computer Training; 2055 Army Trail Rd., Ste. 100MPR; Addison, IL 60101; 708-628-0500, 800-424-8668 (orders) or 708-628-0550 (fax)

Personal Training Systems
Interactive audio training or CD-ROM training
Macintosh Plus or larger; cassette tape recorder or CD-ROM drive.
$99.95 per audio tutorial retail
$159.95 retail; CD-ROM
Call for pricing; Microsoft Office tutorial
Personal Training Systems; 173 Jefferson Dr.; Menlo Park, CA 94025; 415-462-2100, 800-832-2499 or 415-462-2101 (fax)

Picture Book Viewer
Stand-alone Picture Book document viewer
Macintosh 512KE or larger; System 6.0 or later.
$50 per year retail; license
Mi Concepts; PO Box 8822; Kentwood, MI 49508; 616-765-3312, ext. 14 or 616-765-3325 (fax)

PowerSmarts
Multimedia authoring software for performance support
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.
$995 retail
Cognition Technology Corp.; 1000 Massachusetts Ave.; Cambridge, MA 02138; 617-492-0246 or 617-492-0247 (fax)

Professor Mac
Macintosh training
Macintosh Plus or larger.
$39.95 retail
Individual Software, Inc.; 5870 Stoneridge Dr., #1; Pleasanton, CA 94588; 510-734-6767, 800-822-3522 or 510-734-8337 (fax)

■ **Scanning For Results**
Computer training video
VCR.
This course is designed to help viewers produce color, gray scale and line art scans on their desktop system that rival those done traditionally. Instruction and illustration are provided for dealing with gamma, midtone placement, sharpening, resolution, dynamic range and more. Additional discussions will include scanner types and their uses, how scanners work and why resolution does not mean quality and image compression. Software for demonstration purposes is Adobe Photoshop, Aldus PageMaker and QuarkXPress.
$89 retail
$19 retail; rental
CareerTapes Enterprises; Richardson Shores; Box 309; Center Harbor, NH 03226; 603-253-7470

■ **Stripping And Imposition**
Computer training video
VCR.
This course is designed to teach desktop users what is needed to prepare electronic files that will minimize the need for "hands-on" stripping time, while helping the traditional litho tradesman understand what to expect from the desktop client. Discussions include printing press operation, stripping layouts, masks, folding dummies and basic assembly of a four-color print job. The page imposition section deals with the whys and hows of preparing desktop files in both simple and complicated page impositions. Techniques for QuarkXPress, PageMaker and commercial imposition software are discussed and illustrated.
$89 retail
$19 retail; rental
CareerTapes Enterprises; Richardson Shores; Box 309; Center Harbor, NH 03226; 603-253-7470

TeachTime
Allows users to distribute stand-alone QuickTime movies
Macintosh Plus or larger; QuickTime 1.0 or later; System 6.0.7 or later.
$50 per year retail; license
Mi Concepts; PO Box 8822; Kentwood, MI 49508; 616-765-3312, ext. 14 or 616-765-3325 (fax)

Templates Of Doom
Teaches how to use spreadsheets
Macintosh Plus or larger.
$19.95 retail
Solar Systems Software; 8105 Shelter Creek; San Bruno, CA 94066; 415-952-2375

Training Kits
Instructor kits for group presentations
Macintosh Plus or larger.
$495 per module retail
$290 per module retail; additional student 10 packs
$450 retail; all inclusive
Tutorland; PO Box 160429; Cupertino, CA 95016; 408-973-0472, 800-888-8689 or 408-370-7790 (fax)

Tutorland
Tutorials
Macintosh Plus or larger; hard disk drive.
$59.95 retail; per module
$99.95 retail; two modules
Tutorland; PO Box 160429; Cupertino, CA 95016; 408-973-0472, 800-888-8689 or 408-370-7790 (fax)

Type Right For The Macintosh
Typing course
Macintosh Plus or larger; System 7.0 or later.
$39.95 retail
$240 retail; lab pack (10 programs)
$290 retail; site license and networking
Barron Enterprises, Inc.; 714 Willow Glen Rd.; Santa Barbara, CA 93105; 805-687-5873

Typing Instructor Encore
Provides typing instruction and practice
Macintosh 512K or larger.
$29.95 retail
Individual Software, Inc.; 5870 Stoneridge Dr., #1; Pleasanton, CA 94588; 510-734-6767, 800-822-3522 or 510-734-8337 (fax)

Typing Made Easy V1.7
Typing tutorial
Any Macintosh.
$49.95 retail
QED Information Sciences, Inc.; PO Box 812070; Wellesley, MA 02181; 617-237-5656 or 617-235-0826 (fax)

Typing Tutor 6
Keyboard instruction program
Macintosh LC or larger; 1 MB of available RAM; 2.5 MB of free disk space; 12-inch color monitor; System 6.0.8 or later.
$49.95 retail
Que Software; 201 W. 103rd St.; Indianapolis, IN 46290; 317-581-3500, 800-992-0244 or 800-448-3804 (fax)

■ **Understanding Dot Gain**
Computer training video
VCR.
This video provides an easy-to-understand, straightforward treatment of a subject that impacts every single job that is printed with ink on paper. The causes of and means to deal with dot gain in halftones, as well as color separation files are discussed and illustrated with both computer and printed examples, along with practical guidelines for dealing with gain in Adobe Photoshop and Aldus PrePrint.
$89 retail
$19 retail; rental
CareerTapes Enterprises; Richardson Shores; Box 309; Center Harbor, NH 03226; 603-253-7470

Understanding PageMaker
Self-paced hypermedia training package for learning PageMaker Versions 1.2, 2.0 and 3.0
Macintosh 512K or larger.
$19.95 retail; includes four disks
Techware, Inc.; PO Box 151085; Altamonte Springs, FL 32715; 407-695-9000 or 800-347-3224

Using Macromedia Director, By Tony Bove and Cheryl Rhodes
Comprehensive source for new authors and invaluable reference
Macintosh with 68030/16 MHz recommended; 3 MB of RAM; 13-inch color monitor; System 7.0 or later; CD-ROM drive (double speed recommended).
$49.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

The Video Professor
Video training tape
Macintosh Plus or larger; VCR.
$59.95 each retail
Video Professor Industries, Inc.; 1310 Wadsworth, Ste. 100; Lakewood, CO 80215; 800-525-7763 or 303-232-5442 (fax)

The WordPerfect 5/PC Tutorial
HyperCard-based tutorial
Macintosh Plus or larger; HyperCard 1.2 or later.
$30 retail
Paul Friedman; 2347 Pine Terr.; Sarasota, FL 34231; 813-924-3238 or 813-924-4652 (fax)

Utilities/Backup Programs

BRU Pro 3.21
Backup/restore utility
Macintosh Plus or larger; hard disk drive.
BRU Pro is a backup and restore utility that copies, backs up and restores all HFS/MFS volumes, including SCSI drives, cartridges, floppies and network volumes. Features include: tape support for Apple Tape 40, Tandberg 150 and many others; optional data compression with visual illustration; ideal for backing up a hard disk to SyQuest cartridge drives (supports both 45 and 88 MB sizes); new file selection dialog; incremental backups, even in a Tops environment; adds "Backup To" and Restore To" commands to the File menu (selected files may be backed up or restored to a specific folder on a specific volume); background backup and restore; allows users to specify when to execute a backup or restore; shows modified and backed up times (if any) for each file; and can specify automatic replacement of existing files in a backup.
$59 retail
$69 retail; with data compression
$99 retail; with data compression and tape support
Millennium Computer Corp.; 640 Kreag Rd.; Pittsford, NY 14534; 716-248-0510 or 716-248-0538 (fax)

Cat•Back 3.2
Cataloging and backup program
Macintosh Plus or larger.
Cat•Back is a comprehensive and personal, as well as network backup program. A demo disk is available upon request.
$129 retail
Enterprise Software; 12943 Andy Dr.; Cerritos, CA 90701; 310-809-7184

DiskFit Direct
Essential personal backup
Macintosh Plus or larger; 2 MB of RAM(4 MB for recommended for System 7.0 or later); System 6.0 or later; hard disk drive.
DiskFit Direct provides the basic backup essential to every Macintosh user. Users simply launch DiskFit

Direct, click Backup and insert the backup disks as requested. The end result is an exact copy of the hard disk on an organized SmartSet of floppy disks or other removable media, including Bernoulli and SyQuest cartridge drives, opticals and Flopticals. Subsequent backups are incremental, copying only the files that are new or changed since the last backup. This ensures compact SmartSets and the fastest possible operation. Best of all, users don't have to add more disks every time they back up. Backup files are stored in Finder format, keeping files easily accessible and retrieval simple. DiskFit Direct secures data against file corruption, virus, accidental deletion and hard disk crashes.
$49.95 retail
Dantz Development Corp.; 4 Orinda Way, Bldg. C; Orinda, CA 94563; 510-253-3000 or 510-253-9099 (fax)

DiskFit Pro
Fast and efficient backup
Macintosh Plus or larger; 2 MB of RAM (4 MB of RAM recommended for System 7.0 or later); System 6.0 or later; hard disk drive.

DiskFit Pro is fast and efficient backup for the Macintosh. Just a few simple steps will secure data against file corruption, accidental deletion and hard disk failure. "SmartSets" store files in Finder-readable format, allowing retrieval of files directly from the backup at anytime, even without the DiskFit Pro application. Under System 7, a folder containing aliases to the SmartSet can be put on the desktop, allowing direct access to the backup by simply double clicking on a file's alias. Incremental backup replaces only the new or changed files in the backup set, keeping the SmartSet compact and ensuring fastest possible operation. DiskFit Pro includes timed duplicates and smart duplicates from one volume to another, as well as the ability to backup AppleShare servers locally and over the network. DiskFit Pro is optimized for use with Finder-mountable media, including both 800K and 1.44 MB floppies, SyQuest, Bernoulli and optical disks.
$125 retail
Dantz Development Corp.; 4 Orinda Way, Bldg. C; Orinda, CA 94563; 510-253-3000 or 510-253-9099 (fax)

DiskTwin 2.0
Disk duplexing system
Macintosh SE/30 or II family.
DiskTwin is a hardware/software product that offers continuous, real-time backup for Macintosh computers. Whenever a Macintosh saves data to disk, DiskTwin simultaneously saves to a twin disk. In the event of a disk crash, DiskTwin automatically cuts over and continues operation on the backup drive. DiskTwin is ideal for AppleShare file servers and mail servers because it runs transparently, without degrading performance, while the server is running. DiskTwin is available for either Macintosh SE/30 or II computers. To use DiskTwin, users designate one of their SCSI disks as the primary drive and another as its twin. The primary drive is attached to the Macintosh in the normal way, and the twin is connected to the DiskTwin's port. PartitionTwin, a software product for the DiskTwin board, allows users to twin from selected partitions on the primary disk. This allows users to only invest in a smaller twin drive.
$999 retail
Golden Triangle Computers, Inc.; 11175 Flintkote Ave.; San Diego, CA 92121; 619-587-0110 or 619-587-0303 (fax)

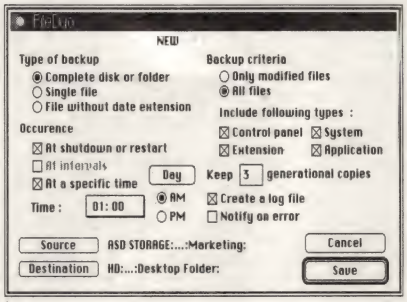
Drag 'n Back 1.5
Backup program
Macintosh Plus or larger; System 7.0 or later.

Drag 'n Back is the first drag and drop program. It is very intuitive to use. Users back up what they "drag and drop" directly from the desktop.
$49 retail
Enterprise Software; 12943 Andy Dr.; Cerritos, CA 90701; 310-809-7184

ExpressMirror
Disk mirroring/disk array software
Macintosh Plus or larger.

ExpressMirror is full-featured disk mirroring/disk array software for Macintosh and Quadra systems. This stand-alone software package provides fault tolerance through disk mirroring. Additionally, performance is improved through a feature capability called "read costing." This allows a mirrored disk system to outperform a conventional disk while still providing data security. ExpressMirror ensures the integrity of disk systems by continuously duplicating every write operation on up to four additional hard drives. The invisible secondary drives act as online backup to provide users with their most current information. ExpressMirror is ideal for file servers and high-end applications where online data integrity is critical. If the primary drive fails, the secondary will automatically engage to insure that no interruption of data storage or retrieval occurs.
$295 retail
ATTO Technology, Inc.; Audubon Technology Park; 40 Hazelwood, #106; Amherst, NY 14228; 716-691-1999 or 716-691-9353 (fax)

FileDuo
Automatic personal backup utility
Macintosh Plus or larger; System 6.0.4 or later.



FileDuo is an automatic personal backup utility that performs unattended backups to any mountable volume (hard disk, server, etc.). Unlike other complicated backup programs, a FileDuo backup file needs no restoration — it is an exact duplicate of the original file. FileDuo waits in the background for each scheduled backup then performs an incredibly fast backup. Setting up an unattended backup is easy. Users select a specific time each day, at shutdown or every five minutes. Users can back up one file, several folders or a whole hard disk to any HFS storage device. FileDuo can even create "Generational Copies," which saves several versions of a document that cover a period of time. This enables users to retrieve an older version of a document should undesirable changes be made. By selecting "Only Modified Files," FileDuo will back up only the files that have been modified since the last backup.
$149 retail; single user
$449 retail; five pack
$749 retail; 10 pack
ASD Software, Inc.; 4650 Arrow Hwy., Ste. E-6; Montclair, CA 91763; 909-624-2594 or 909-624-9574 (fax)
FAX ON DEMAND 1-800-872-3293 **103**

HFS Backup 3.5.9
Archive and restore utility
Macintosh 512K or larger; hard disk drive.

HFS Backup is an enhanced version of PCPC's archive and restore utility. It allows users to back up to floppies, tape drives or to any mounted volume visible on the desktop, including hard disks. Users may choose to backup and restore an entire hard disk, selected files or changes made since the last backup. HFS Backup features include a file "filter" that allows files to be included or excluded from the backup based on file classification, name, date last modified and type; style inclusive backup procedures that allow both incremental or overwrite backups; the ability to print or save a list of files and folders; macros to save a backup session for frequent backups; and virus detection that will alert a user to any suspected files.
$99 retail
Personal Computer Peripherals Corp. (PCPC); 1956 Whitney Way; Clearwater, FL 34620; 813-530-0123, 800-622-2888 (sales) or 813-532-6741 (fax)

Inline Sync
PowerBook Synchronizer
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 7.0 or later.

A full-featured PowerBook sychronizing application, Inline Sync updates vital files between PowerBooks, desktop Macs and hard drives, no matter where the files are stored. It synchronizes automatically or on command. Users can use browse interface to select any file or folder, or script selections by name, folder, type and date. For safety, Inline Sync alerts users to identical files that have both been modified. It works through file sharing, a network, SCSI port or floppy disk.
$79.95 suggested retail
Inline Software; 308 Main St.; Lakeville, CT 06039; 203-435-4995, 800-453-7671 or 203-435-1091 (fax)

Late Night Attendant
Unattended automatic backup utility
Macintosh Plus or larger; System 7.0 or later.

Late Night Attendant automates the file backup process. Backups are scheduled to run at specific times, either daily, weekly or monthly. Late Night will backup files to any Macintosh file system and is especially effective when used in conjunction with large file servers, read/write optical disks, removable cartridges or flopticals. When used with networked file servers, Late Night will automatically mount and unmount the file server to and from the desktop as needed. Late Night can also backup file servers while online. A copy of Late Night is installed on each user's Macintosh. A user configures Late Night to their own specific backup needs. Late Night is capable of shutting down the Macintosh upon completion of a backup and supports both single copy and archive modes.
$49 retail; volume discounts are available
Broad Ripple Systems, Inc.; 2902 N. Meridian St.; Indianapolis, IN 46208 or 317-924-4271 (fax)

NetStream 2.2
Network backup
Macintosh 512KE or larger.

NetStream is designed to make the chore of network backup automatic. It allows users to "set and forget" network backup schedules, permitting unattended operation. Unattended network backups can be scheduled days, weeks and months in advance. Features include virus checking, individual data security, back up across multiple zones, back up and restore AppleShare privileges, back up server live, selectable DES or proprietary encryption and compatibility with AppleShare, Tops and MultiFinder. NetStream software supports most popular tape drives, as well as removable media.
$49 retail; single user
$299 retail; administrator pack
Personal Computer Peripherals Corp. (PCPC); 1956 Whitney Way; Clearwater, FL 34620; 813-530-0123, 800-622-2888 (sales) or 813-532-6741 (fax)

QTBackup 3.03
Backup software
Macintosh Plus or larger; 2 MB of RAM; System 6.0.2 or later.

QTBackup is backup software designed to take full advantage of the power of System 7. To backup files to a Tecmar tape system, users simply select and drag a disk, folder or file icon onto the QTBackup application icon. The software automatically backs up all of those items using the default preference settings, making backup operations as simple as copying files has always been on the Macintosh. Users can specify search settings based on a file's name, data type or label under System 7's Find menu. QTBackup allows backup of AppleShare volumes while the server is online, and restores are still performed while the server is offline or from a workstation. Additional enhancements to support System 7 capabilities include: support for tagging files by color and labels; easy selection of default session names and comments; enhanced printing functions for listing contents off backup media; a diagnostic function that displays configuration in log file; and an improved Quickmenu interface. Tecmar is currently bundling QTBackup with QTShare to allow a central workstation to perform peer-to-peer backup of files on all other workstations on an AppleTalk network without server intervention.
$149 retail

Tecmar, Inc.; 6225 Cochran Rd.; Solon, OH 44139; 216-349-0600, 800-624-8560, 800-422-2587 or 216-349-0851 (fax)

Redux Deluxe 2.5
Backup utility
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later.

Redux Deluxe backs up files painlessly and quickly so that users can work without worrying about the health and well-being of data on their hard disk. Stuffit SpaceSaver by Aladdin Systems, Inc. ships free with every purchase.
$79.95 retail
Inline Software; 308 Main St.; Lakeville, CT 06039; 203-435-4995, 800-453-7671 or 203-435-1091 (fax)

Retrospect
Powerful backup software
Macintosh Plus or larger; 2 MB of RAM (4 MB of RAM recommended for System 7.0 or later); external disk drive or hard disk drive; System 6.0 or later.

For users whose backup requirements exceed the limits of floppy or removable hard disk backup, Retrospect provides a powerful backup and storage management solution. If a hard disk crashes, Retrospect can restore it to its pre-disaster state and get users back up to speed in minutes. Now with a new friendly interface, Retrospect provides both incremental backup to protect daily work and true archiving to liberate valuable disk space by removing inactive files from a hard disk to a storage device. Users can create backup scripts with multiple sources, destinations, file selection criteria and schedules with ease. They can then use calendar launch to provide automatic and unattended backup to any tape, optical or cartridge drive. Retrospect supports almost every storage media used with the Macintosh. Password protection, data encryption and compression options are provided. Network support can be added by purchasing Remote 10- or Remote 50-Packs. It is System 6 and 7 compatible.
$249 retail
Dantz Development Corp.; 4 Orinda Way, Bldg. C; Orinda, CA 94563; 510-253-3000 or 510-253-9099 (fax)

Retrospect A/UX
Powerful A/UX backup software
Macintosh running A/UX 3.0.1.

Retrospect A/UX allows users to back up both A/UX and Macintosh files easily without any special knowledge of A/UX or storage devices. Because Retrospect runs under the A/UX Macintosh environment, data is backed up and restored using the A/UX operating system's built-in translation features. In addition, all of the extra A/UX information for each file and directory is backed up with each file. This "dual personality" provides complete backups and data interchange capability between A/UX and Macintosh environments. All of Retrospect's standard features are available in Retrospect A/UX, including scripting, data compression and unattended operation. In addition, Retrospect A/UX backups include A/UX special files, symbolic links, hard links, modes, file formats, resource and data forks, Finder information, file-level privileges and four separate privilege name spaces. It does not support the backup of data stored on raw devices or unmounted volumes.
$200 upgrade from Retrospect 2.0 or Retrospect Remote 2.0
Dantz Development Corp.; 4 Orinda Way, Bldg. C; Orinda, CA 94563; 510-253-3000 or 510-253-9099 (fax)

Retrospect Remote
Network backup software
Macintosh Plus or larger; 2 MB of RAM (4 MB for System 7.0 or later); System 6.0.5 or later; AppleTalk network.

Retrospect Remote provides centralized, unattended workgroup backup for any AppleTalk network. Network administrators just install Retrospect Remote and a storage device on any one Macintosh and a Remote INIT on the rest. Using a scheduling calendar, users can create any number of scripts to customize their backups. Retrospect Remote will go from Macintosh to Macintosh, performing an incremental backup automatically. It can even defer a user's shut down command until the backup is done. Restores can also be done over the network. Password protection and data encryption provide security. The program supports all tape, optical and cartridge drives. Each Retrospect Remote package backs up 10 remote Macintoshes; users can add more with Remote 10-Packs or 50-Packs, available separately.
$449 retail
$249 retail; Remote 10-Pack
$1,095 retail; Remote 50-Pack
Dantz Development Corp.; 4 Orinda Way, Bldg. C; Orinda, CA 94563; 510-253-3000 or 510-253-9099 (fax)

ShuttlePilot
File synchronizer
Macintosh Plus or larger; System 6.0.7 or later.

ShuttlePilot is a file synchronizer that works by allowing users to designate a list of folder pairs that they want to be equalized. Based on this list, ShuttlePilot will copy and replace files within these folders until their contents are equivalent. It was designed for users with two or more Macintosh computers and multiple copies of files that change daily. It can also be used as a simple backup program.
$39 U.S. retail
Xanatech, Inc.; 61 Oriole Crescent, Ste. 1; Singapore 1128; (65) 2244073 or (65) 2238324 (fax)

SnapBack
Workgroup backup
Macintosh Plus or larger; 2 MB of RAM; System 6.0.4 or later.

SnapBack is a workgroup backup product that lets users on any type of Macintosh network back up automatically to a shared disk. A central disk is used to store users' backups. Users select their own backup criteria by marking files and folders on the Macintosh backup. Users then designate their backup schedule. Backup is performed automatically with no additional effort by the user. SnapBack's most unique feature is that backups can be brought directly to the user's desktop, offering immediate access without requiring the assistance of a network administrator. When users want access to their backups, they can mount them, much like AppleShare volumes, and find the files they need from the Macintosh desktop. The backup disk's desktop is an exact duplicate of the user's disk, so finding files is simple. Backup files can be simply dragged back to the user's hard disk, and users can password protect their backups to prevent unauthorized access.
$129 retail; starter pack (three users and server)
$229 retail; six additional users
$329 retail; 12 additional users
Golden Triangle Computers, Inc.; 11175 Flintkote Ave.; San Diego, CA 92121; 619-587-0110 or 619-587-0303 (fax)

SurfGuard
Archival utility
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later.

SurfGuard is a high-performance utility that offers users the ability to backup data to several destinations. It supports a broad line of tape devices, from QIC DC2000, DC600 and DC6000 type cartridges to helical scan devices, such as DAT and 8mm video tape subsystems. Apple HFS volumes, such as hard disk drives, magneto optical disk and networked volumes are also supported as backup destinations. The simplistic user interface eliminates confusion while performing a backup job. SurfGuard is 32-bit clean and supports System 7, System 7.1 and WorldScript, AppleShare and Novell NetWare. The speed of data transfer makes quick work of backups with high-performance 8mm and DAT drives. Additional features include quick file access, scheduled backups, incremental backup, automatic system shutdown, file by file and mirror image backup and DAT stacker support.
$150 retail
Surf City Software; 1095 N. Main St., #M1; Orange, CA 92667; 714-289-8543 or 714-289-1002 (fax)

■ **Synchronize! Pro**
Mirroring and backup of file servers
Macintosh Plus or larger; System 7.0 or later; MAE (Macintosh Applications Environment).

Synchronize! Pro provides mirroring and backup of AppleShare-compatible file severs, including user and group names and privileges. Synchronize! Pro can automatically connect to a local or remote file server over a network or, using AppleTalk Remote Access, synchronize or backup files and folders, save all privilege information and log off at any preset time, once or repeatedly. Users can enter all passwords in advance, so the synchronization or backup can be done anytime day or night. An activity log records the date, time and results and the files copied.
$99.95 retail
Qdea; 6331 Hilton Ct.; Pine Springs, MN 55115; 612-779-0955, 800-933-9558 or 612-397-8590 (fax)

TwinIt
Personal continuous backup
Macintosh Plus or larger.

TwinIt is a personal continuous backup. For the price of TwinIt and a second disk, users can maintain a continuous backup that is created automatically, as users work. Users can't forget to back up, because TwinIt does it for them. TwinIt employs a technology called universal disk mirroring to create continuous backups. It is unique because it doesn't require the use of a particular manufacturer's disks or disk software. Users can use TwinIt with their existing disk — no reformatting or driver installation is required. TwinIt is ideal for compact machines because no hardware is required. It works with all SCSI disks. TwinIt is AppleShare transparent. It maintains all AppleShare privileges and works while AppleShare is running. TwinIt is also System 7 compliant.
$199 retail
Golden Triangle Computers, Inc.; 11175 Flintkote Ave.; San Diego, CA 92121; 619-587-0110 or 619-587-0303 (fax)

Utilities/Hard Disk Utilities

1-Anubis
Formatter/driver/utility
Macintosh Plus or larger.

Anubis is a formatter/driver software utility that supports virtually 99 percent of the Winchester drives on the market with fast drivers for optimum speed throughput. Anubis has full support of Apple's SCSI Manager 4.3, and also includes full support for Power Macintosh line of computers It also supports Sony (600 and 650 MB), Ricoh (600 MB), Maxoptix Tahiti I, II and III (600 MB and 1 GB), Most (130 MB 3.5 inch) and more. The Anubis Software License, for OEMs, allows licensees to put their name and logo in the software to sell with a house brand of drives.
$129.95 retail
CharisMac Engineering, Inc.; 66 "D" P&S Ln.; Newcastle, CA 95658; 916-885-4420, 800-487-4420 or 916-885-1410 (fax)

Alki Seek
Fast file retrieval utility
Macintosh Plus or larger; System 6.0.2 or later.

Alki Seek allows users to construct file and application searches using a variety of user-selected criteria. Seek can search a hard drive, or a network, using file content, location, creation or modification date, file or application type, file size or attributes. Users of Microsoft Word can search for documents using Word's Summary Information. Seek's "Banter box" provides plain-language descriptions of criteria as they're selected. Search criteria can be saved as "presets" for future reuse. Seek also incorporates GREP (or pattern matching) in a simplified form. Once a file is found and listed in Seek's Results window, it can be opened with a click on the Open button. Contents of the folder containing the file can be displayed. The Results window lists each file's size, data, type, creator, attributes and Finder comments. Seek can be used instantly upon installation.
$39.95 retail
Alki Software Corp.; 300 Queen Anne Ave. N, Ste. 410; Seattle, WA 98109; 206-286-2600, 800-669-9673 or 206-286-2785 (fax)

Anubis Multifunction Utility
Formats and supports WORM and multifunction optical drives
Macintosh Plus or larger.

These Products Available Through Bottom Line Distribution
1-800-347-1923

The Anubis Multifunction Utility software features the versatility to format and support both WORM and multifunction optical drives for the Macintosh. It features compatibility with 1,024 and 512 b/sec optical media for the most comprehensive optical support.
$199 retail; OEM licensing available
CharisMac Engineering, Inc.; 66 "D" P&S Ln.; Newcastle, CA 95658; 916-885-4420, 800-487-4420 or 916-885-1410 (fax)

Anubis Optical Jukebox Utility
SCSI optical jukebox utility software
Macintosh SE or larger.
Anubis Library Manager is high-performance SCSI optical jukebox utility software that features the versatility to format and support from 5 GB personal edition to 57 GB professional edition jukeboxes. It features compatibility with 1,024 and 512 KB/sec for the most comprehensive optical support. The Anubis Library Manager takes advantage of CharisMac engineering's revolutionary new turbo disk management scheme. Turbo speeds up writes to optical disks by as much as two times their normal speed. The Anubis Jukebox software includes and instruction manual to aid in installation and operation. Anubis supports SCSI Manager 4.3 and is fully Power Macintosh compatible.
$799 retail
CharisMac Engineering, Inc.; 66 "D" P&S Ln.; Newcastle, CA 95658; 916-885-4420, 800-487-4420 or 916-885-1410 (fax)

Anubis Professional Storage Suite
High-powered SCSI utility
Any Macintosh; 2 MB of RAM.
The Anubis Professional Storage Suite is the most comprehensive, high-powered SCSI Utility for the Macintosh. Anubis Professional is a formatter/driver/utility software that supports all fixed disks and removable drives on the market. The Anubis Professional includes support for RAID levels 0 and 1, performing basic mirroring, striping and spanning across hard drives in a disk array. Annubis Professional also includes Turbo MO, the revolutionary new disk management scheme that speeds up writes to optical disks by twice their normal speed. Anubis Professional supports SCSI accelerator cards from various manufacturers, and fully supports the new Power Macintosh line of computers.
$199.95 retail
CharisMac Engineering, Inc.; 66 "D" P&S Ln.; Newcastle, CA 95658; 916-885-4420, 800-487-4420 or 916-885-1410 (fax)

Anubis WORM Time Stamp Manager
Formats and supports WORM and multifunction optical drives
Macintosh Plus or larger.
The Anubis WORM Time Stamp Manager software features the versatility to format and support WORM-only and multifunction optical drives for the Macintosh. It allows users to "warp back in time" for the most flexible form of data archival available. Time stamps are written when data is written to the disk and users are able to remount the previous Time Stamps (directories).
$199 retail; OEM licensing available
CharisMac Engineering, Inc.; 66 "D" P&S Ln.; Newcastle, CA 95658; 916-885-4420, 800-487-4420 or 916-885-1410 (fax)

CD AllCache
Allows users to increase the speed that CD-ROM players operate
Macintosh Plus or larger.
CD AllCache software features the versatility to support virtually all CD-ROM mechanisms compatible with the Macintosh. The software allows users to greatly increase the speed their CD-ROM player operates by caching directory information to the Macintosh. The performance can increase all CD-ROM directory inquiries and the high-speed universal CD driver greatly speeds the data I/O. CD AllCache features pre-set cache buttons optimized for maximum speed for many of a user's favorite CD titles and CD-ROM manufacturers. It also comes complete with a user's choice of four different audio desk accessories for audio CDs. It is Photo CD multisession compatible.
$79 retail; OEM licensing available
CharisMac Engineering, Inc.; 66 "D" P&S Ln.; Newcastle, CA 95658; 916-885-4420, 800-487-4420 or 916-885-1410 (fax)

Disk Café
SCSI drive utility
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later.
Disk Café is an ensemble of Macintosh SCSI drive utilities to standardize, control and enhance performance of hard disk drives and removable disk drives. It enables users to install, format, mount and read from/write to the disk of their choice. Disk Café includes: an easy-to-use control panel device, system device and SCSI driver; a powerful formatting utility to prepare and maintain disks; and a highly-advanced utility with diagnostic tools to test and change disk drive settings, including repairs of defective drives.
$59 retail
Bering Technology, Inc.; 1357 Dell Ave.; Campbell, CA 95008; 408-364-2233, 800-237-4641 or 408-374-8309 (fax)

Disk Manager Mac 3.0
Disk installation utility
Macintosh Plus or larger including Power Macintosh; hard disk drive.
Disk Manager Mac easily installs and completely prepares virtually any SCSI device or read/write optical/floptical drive in a Macintosh computer. With a click of the mouse, this comprehensive utility will low-level format and initialize automatically or provide the option of custom drive installation. Disk Manager Mac comes complete with a collection of data protection and maintenance utilities, including defect management features, mount options, password protection and more. Save time and protect valuable data with the added options provided in Ontrack's Disk Manager Mac software. Hardware installation kits also available. Includes Power Mac and SCSI Manager 4.3 support.
$69.95 retail
Ontrack Computer Systems, Inc.; 6321 Bury Dr., Ste. 15-21; Eden Prairie, MN 55346; 612-937-1107, 800-752-1333 or 612-937-5815 (fax)

DiskExpress II
Disk optimizer utility
Macintosh Plus or larger; System 6.0 or later.
DiskExpress II is a hard disk optimizer. It automatically starts to defragment and optimize hard drives whenever the computer is idle or whenever a user requests it. Because it's fully transparent, DiskExpress II intuitively works around busy schedules in the background mode without tying up the computer. The program constantly logs all file activity to determine the optimum priority for file placement on each particular hard disk. It uses this priority to group frequently used files together for maximum hard disk performance. DiskExpress II uses safe Disk Optimatic technology, which means it automatically optimizes one file at a time. This way, it can be interrupted at any time with no risk of scrambling any information on the hard drive and requires virtually no free space to work. DiskExpress II is System 7 compatible.
$89.95 retail
Alsoft, Inc.; PO Box 927; Spring, TX 77383; 713-353-4090 or 713-353-9868 (fax)

DiskMaker
Universal SCSI disk formatter/manager
Macintosh Plus or larger.
DiskMaker is a high-performance formatter/manager that works with all SCSI disks. It eliminates disk software inconsistency and allows users to buy disks from any source. DiskMaker is fully System 7 compatible and supports 32-bit addressing and virtual memory. Installation is as easy as clicking a single button. Removable media can be ejected and inserted like floppies, and DiskMaker allows users to partition their disk into multiple volumes for better performance and security. Password protection, including a Master Password option, is also featured.
$89 retail
Golden Triangle Computers, Inc.; 11175 Flintkote Ave.; San Diego, CA 92121; 619-587-0110 or 619-587-0303 (fax)

DiskQuick
Catalogs hard drives and floppies
Macintosh 512K or larger.
DiskQuick provides a user with a way of assembling a catalog that accurately describes the contents of each of his disks. The program catalogs both floppy and hard drives and makes subset lists from a user's catalogs. It includes an option to show information-box material; the ability to choose fonts for display or printing; the ability to type a single letter for instant scrolling; marks documents that need backup; and marks superseded documents. Additional features include: cancel processing of an HFS disk by typing Command-Period; find-again feature speeds searching, especially in a list that is non-alphabetically sorted; print any saved catalog directly from desktop; warning alerts user in the event that memory is nearly used up; and more.
$49.95 retail; not copy protected
Ideaform Inc.; PO Box 1540; Fairfield, IA 52556; 515-472-7256

Drive7
Universal drive management utility
Macintosh Plus or larger; System 6.0 or later.
Drive7 is a drive management utility for fixed and removable drives. It increases speed and performance, and helps maintain the reliability of virtually any drive. It is perfect for owners of multiple drives because one piece of software may be used for all their storage devices. Users who are upgrading to System 7, or who have found their drive manufacturer no longer in business, have full support for their orphaned drives. Included is Mount Cache, a CDEV that ends problems mounting removable media. Multiple driver extensions can be removed from the System Folder because Drive7rem supports virtually all removables, including SyQuest, Bernoulli and magneto-optical drives.
$89.95 retail; site licenses start at 10 Macintoshes
Casa Blanca Works, Inc.; 148 Bon Air Center; Greenbrae, CA 94904; 415-461-2227 or 415-461-2249 (fax)

DriveShare
Simplified sharing of removable devices over a network
Macintosh Plus or larger; System 6.0 or later.
DriveShare simplifies the sharing and speeds up the data transfer of removable devices over a network. It does not require System 7 or File Sharing and allows cartridges to be ejected and changed anytime. There is no need to turn off File Sharing and remove a Macintosh from the network to remove or change a cartridge. DriveShare works with SyQuest, Bernoulli, magneto-optical drives. There are no users, groups or passwords to set up. Users simply drop the DriveShare CDEV into the System Folder of the Macintosh computers on the network and restart. When users insert a removable cartridge at a Macintosh, the DriveShare Query box asks where to mount the cartridge on the desktop, or any users listed on the network. Users click on the user's name and they're done. The cartridge will mount on the user's desktop and can be used just as if it were connected directly to their own Macintosh.
$129.95 retail; five-user pack
$199.95 retail; 10-user pack
Casa Blanca Works, Inc.; 148 Bon Air Center; Greenbrae, CA 94904; 415-461-2227 or 415-461-2249 (fax)

eDisk
Hard disk performance enhancement
Macintosh Plus or larger; hard disk drive; System 6.0.5 or later.
eDisk is driver-level compression software. Rather than compressing files, it expands the entire hard disk. eDisk makes hard drives or partitions appear to the Macintosh file system and all of a user's applications as a hard disk with two, three or four times its normal capacity, depending on the type of data files that they are using and their own personal preference. Users install eDisk once to permanently expand hard disk capacity. After installation, users use their double-capacity drive as they normally would. eDisk works with the existing driver, so users will still enjoy the benefits of a driver that was designed to deliver optimum performance on the drive that they currently use. Because eDisk operates at the driver level, there is no wait for "stuffing and unstuffing" files.

$149.95 retail; competitive upgrade package available
Alysis Software Corp.; 1331 Columbus Ave., 3rd Fl.; San Francisco, CA 94133; 415-928-2895, 800-825-9747 or 415-928-2896 (fax)

FindAll
Allows users to instantly find the files they need
Macintosh Plus or larger; System 7.0 or later.

FindAll is a powerful Find utility for System 7. Users can search their entire Macintosh in seconds and list all found files in one window. Users can find and list groups of files instantly; launch anything, anytime from one window; audit the contents of any machine; see and remove duplicates for more disk space; and eliminate time wasting "window clutter." FindAll lets users define their own search criteria and add them to its menu. For example, users could define a menu item "Word Docs," which instantly finds and lists all Word documents. And FindAll is incredibly fast (approximately 2 seconds to scan a 120 MB hard drive), so users get everything they need in one convenient window, instantly. FindAll is indispensable because it saves users time finding files and launching them. Plus, users can print the list and use FindAll to audit the contents of their system. For example, users could instantly find and print a list of all the programs they have on the Macintosh.
$79 retail
Abbott Systems, Inc.; 62 Mountain Rd.; Pleasantville, NY 10570; 914-747-4171, 800-552-9157 or 914-747-9115 (fax)

FormatterOne
SCSI Driver and utility
Macintosh Plus or larger; 1 MB of RAM.

FormatterOne SCSI driver and utility software allows users to install, format and partition hard drives and other storage devices on the Macintosh desktop. All of this can be done using just one screen and Software Architect's unique "cursor sensitive" help box that quickly guides users through each step. Features include: unique "multipartitioning" graphic interface feature allows users to divide a hard drive, a SyQuest drive or each side of a magneto-optical disk into two or more volumes that appear as individually named volumes on the Macintosh desktop; partitions can be changed as often as desired (give each user or department its own volume, reduce file fragmentation and increase the efficiency of disk space); runs under MultiFinder (format and install the driver on more than one hard drive without rebooting the system); compatible with AppleShare 1.1 and 2.0 (create separate volumes for each department or person on the network); start up the Macintosh from the hard drive; special "Test" feature identifies different types of data errors and reassigns bad blocks; supports most models of SCSI hard drives; and supports up to six SCSI devices at once. Versions are available for hard drives, SyQuest and magneto optical drives. It supports SCSI Manager 4.3 asynchronous transfer.
$49.95 retail
Software Architects, Inc.; 19102 N. Creek Pkwy., Ste. 101; Bothell, WA 98011; 206-487-0122 or 206-487-0467 (fax)

FormatterTwo
SCSI drive and utility software
Macintosh Plus or larger; 1 MB of RAM.

FormatterTwo SCSI driver and utility software allows users to install disk drives on the Macintosh "desktop," format each drive in both the Macintosh and A/UX operating environment and partition each drive into any number of desired volumes. All of this is done using just one screen and Software Architect's unique "cursor sensitive" help display that quickly guides users through each step. Features include: unique "multipartitioning" graphic interface feature allows users to divide each side of a hard drive into two or more volumes that appear as individually named volumes on the Macintosh desktop; partitions can be changed as often as desired in either environment; supports A/UX 2.0; runs under MultiFinder; compatible with AppleShare 1.1 and 2.0; boot the Macintosh from a hard drive; unmounts media by dragging drive icon into the trashcan; second utility disk contains drive geometry scripts for automatic A/UX configuration for any supported drive; and supports up to six SCSI devices at once. Hard drive, SyQuest and magneto optical versions are available.
$195 retail; hard drive version
$295 retail; 3.5-inch MO version
$495 retail; 5.25-inch MO version
Software Architects, Inc.; 19102 N. Creek Pkwy., Ste. 101; Bothell, WA 98011; 206-487-0122 or 206-487-0467 (fax)

Hard Disk ToolKit 1.6
Hard disk formatter software/SCSI utility software
Macintosh Plus or larger; SCSI hard disk drive.

Hard Disk ToolKit replaces a hard disk's original installer with a powerful SCSI utility that provides advanced functionality and maximizes the performance of hardware. The utility package performs the standard hard disk utility functions, including formatting and installing drivers, but adds sophisticated partitioning, diagnostics and benchmarking features, as well as data encryption and access to SCSI 2 information.
$199 retail; Hard Disk ToolKit 1.6
$79 retail; Hard Disk ToolKit•Personal Edition 1.6
FWB, Inc.; 2040 Polk St., Ste. 215; San Francisco, CA 94109; 415-474-8055 or 415-775-2125 (fax)

Hard Drive TuneUp
Tunes up a hard drive for System 7
Macintosh Plus or larger; System 6.0.5 or later.

Hard Drive TuneUp takes the hassle out of upgrading hard drives and files when installing System 7. Features include: prepare a hard drive to support Virtual Memory; tune up a hard drive's performance by defragmenting files and reassigning data from defective sectors to safe ones; access files that are not System 7 compatible; create separate partitions for System 7 and System 6; lock partitions for "read only" security; test a drive for media degradation; create test logs to forecast media problems; and more.
$49.95 retail
Software Architects, Inc.; 19102 N. Creek Pkwy., Ste. 101; Bothell, WA 98011; 206-487-0122 or 206-487-0467 (fax)

Lido 7
Allows users to format and initialize any disk storage device; SCSI Manager 4.3 savvy
Macintosh Plus or larger; System 6.0.4 or later.

Lido 7 is a high-performance disk management utility that allows users to format and initialize any disk storage device on the Macintosh. Lido 7 is 32-bit clean for total compatibility with System 7, System 7.1 and WorldScript systems. The utility supports a broad line of devices, from 8-inch hard disk drives to the new breed of 2.5-inch SCSI hard disks. Also supported are removable cartridge hard disks from SyQuest and Ricoh; magneto-optical disks (5.25- and 3.5-inch) from MaxOptix, Ricoh, Sony, TEAC and others; and floptical mechanisms from Iomega and Insite Peripherals. Among the key features of Lido 7 is Dynamic Partition Resizing, which allows users to take a partition and resize it at any time. The utility also features a series of Defect Management tests that verify the operating condition of the disk drive, helping to assure the integrity of the data. It supports hard disks equal to or greater than 2 GB.
$95 retail
Surf City Software; 1095 N. Main St., #M1; Orange, CA 92667; 714-289-8543 or 714-289-1002 (fax)

MacTools 3.0
Hard disk utilities
Macintosh Plus or larger; 4 MB of RAM; System 6.0.5 or later.

MacTools gives users automatic and comprehensive data protection, guarding against virus attacks, disk crashes, file deletions and much more. Included are: TrashBack, transparently tracks and protects deleted files and allows one-step undeleting directly from the Finder's Special Menu; AutoCheck, provides background scanning for constant disk crash prevention; DiskFix, analyzes disks automatically, providing disk analysis reporting and superior repair capabilities; FileFix, repairs damaged Microsoft Excel and Word files and simplifies file type and creator changes; Undelete, recovers deleted files quickly and easily; Mirror, tracks deleted files and automatically makes a copy of disk directory information; Optimizer, improves hard disk performance by defragmenting files and prioritizing their location on the disk; DiskEdit, provides sector-level interpretation and allows text and HEX handling; DriveLight, provides screen or keyboard indictors for disk drive read/write operations; Anti-Virus, provides continuous virus detection, removal and prevention, with 24-hour Anti-Virus Hotline for update information; and Backup, performs unattended, scheduled backups to tapes or network servers, prompts for floppy disk backups and optionally compresses data to save space. MacTools is System 7 compatible.
$149.95 retail
Central Point Software, Inc.; 15220 NW Greenbrier Pkwy., #150; Beaverton, OR 97006; 503-690-8088 or 503-690-8083 (fax)

MasterFinder V1.2.1
Disk management utility
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.

MasterFinder allows for the complete control and manipulation of files and folders on any hard drive or floppy disk. It is a total replacement for the Macintosh Finder. Using a concept of window panes as its basic user interface, each pane displays file names from a directory of a mounted drive. MasterFinder's start-up view, the "Pane" View, consists of four panes that can display information on all mounted drives. MasterFinder has a sophisticated Find command; it is compatible with any network software to show users zones, nodes and more; allows for the cataloging of online and offline volumes for fast searches; expanded folder view for the inspection of the smallest of details; automatic application and document launching; Application Not Found override; file aliasing; AppleEvents, A/UX compatibility; and much more.
$149 retail
Olduvai Corp.; 9200 S. Dadeland Blvd., Ste. 725; Miami, FL 33156; 305-670-1112, 800-548-5151 or 305-670-1992 (fax)

More Disk Space
Hard disk performance enhancement
Macintosh Plus or larger; System 6.0.5 or later.

More Disk Space is Alysis Software's alternative to archiving and compression utilities; the software automatically applies an array of data compression and space saving techniques to give users the maximum space that their hard disks are capable of containing — without any sacrifice in performance or compatibility. Users of the software can issue a single command from the program disk and literally double the capacity of their hard disks. Version 2.2 of More Disk Space features a new user interface with expert and novice modes, enhanced compression speed with tighter compression, uncompressed size visible within Get Info, exception by Finder label and support for hardware acceleration.
$99.95 retail
Alysis Software Corp.; 1331 Columbus Ave., 3rd Fl.; San Francisco, CA 94133; 415-928-2895, 800-825-9747 or 415-928-2896 (fax)

Mr. File 2.0
Finder alternative utility
Macintosh Plus or larger; 1 MB of RAM; System 4.2 or later.

Mr. File is a Finder alternative that copies, erases, moves and searches in the background. Multiple windows can be open at once; users can stack up a series of jobs for Mr. File to complete in the background while working in another application. Users can also launch while a copy job is in progress. User-defined, reusable Selection Lists contain files and folders regardless of what folder or disk they are in, ideal for project control, frequent copy jobs, building custom application launchers, archiving files on other disks and more. Mr. File's Quick Window holds a user's most frequently used items. Other features include: performance setting for smoother background operation or speed, launch override, set file info, save find presets, wild card searching and more. Mr. File is ideal for file copying, disk management and background downloading from AppleShare volumes or over AppleTalk Remote Access.
$99 retail
Softways; 5066 El Roble; San Jose, CA 95118; 408-978-9167 or 408-448-0620 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

MultiDisk
Hard disk partitioning
Macintosh 512KE or larger; System 4.2 or later; System 6.0 and Finder 6.1 or later recommended.

MultiDisk allows users to partition any hard disk into multiple hard disks. Partitions can be created as resizable, password protected and encrypted. Grouping files into partitions increases overall disk performance and locking partitions adds security against viruses. Features include: increases disk performance by grouping files into separate partitions; password protection; network users of AppleShare and Tops can remotely mount partitions separately; partitions are conveniently accessible through a desk accessory; partitions can be individually set to automatically appear on the desktop at start-up or only when requested; add or delete partitions at any time without having to reinitialize the hard disk; files in one partition will not be affected by directory damage to another partition; and the ability to resize a partition without having to recreate it. MultiDisk is System 7 compatible.
$89.95 retail
Alsoft, Inc.; PO Box 927; Spring, TX 77383; 713-353-4090 or 713-353-9868 (fax)

Norton Utilities For Macintosh V2.0
Data recovery, disk repair and backup
Macintosh Plus or larger; 2 MB of RAM (3 MB for System 7); hard disk drive; System 6.0.4 or later.

Norton Utilities for Macintosh combines and enhances the features from two products: SUM II and Norton Utilities. The combination of these two products results in a utility software package that offers fully integrated advanced disk repair and recovery, automatic backup, data security, productivity tools and system enhancements in one informative, easy-to-use product. Version 2.0 goes deeper to recover lost or damaged data in a wider variety of circumstances, and the Norton Disk Doctor diagnoses and repairs damaged hard disks and floppies automatically with a single click of the mouse. Norton Utilities allows users to protect valuable data and make day-to-day functions a breeze.
$149 retail
Symantec Corp.; 10201 Torre Ave.; Cupertino, CA 95014; 800-441-7234 or 800-626-8847 in CA

On Location V2.0.1
Reduces the time it takes to find and view files
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.

On Location is a desk accessory that dramatically reduces the time it takes to find and view files. The software indexes the name and text of files on any volume, including hard disks, network servers, diskettes and CD-ROMs. It combines digital-signature compression technology, Claris/DataViz file translators for displaying text stored in most word processing formats, and automatic background indexing. Once a file is found, users can use On Location's view window to instantly examine its contents and copy text to the Clipboard. The view window displays fonts and styles for most popular word processing programs. On Location's view window is read-only. However, if users want to edit files, they can launch them into application programs directly from On Location. Users can also move, copy, rename and delete files. On Location includes an INIT that loads into the Mac during start-up. When files are created or saved, the INIT makes note of the change. During periods when the Mac is idle, On Location automatically indexes the file's name and complete text in the background, ensuring that indexes are up to date as information evolves. On Location also supports Apple Events, which allows other applications to take advantage of On Location's search capabilities. The program is System 7 compatible.
$129.95 retail
ON Technology, Inc.; One Cambridge Center; Cambridge, MA 02142; 617-374-1400, 800-548-8871 or 617-374-1433 (fax)

Orphan Finder
Manages orphan files
Macintosh Plus or larger.

Orphan Finder searches disks for files that were left behind when the associated parent programs were deleted. Parent programs can be applications, INITs, CDEVs and desk accessories, and orphan files could be documents, preference files, dictionaries or temporary files. Orphan Finder can find parents, report and move orphans and change the creator of orphans (adopt them). Orphan Finder works interactively or in scripted mode on a network. Orphan Finder reclaims disk space being taken up by unnecessary files and flags down which applications users are missing to open their important documents. In addition, Orphan Finder locates orphaned Aliases and duplicate Parents and deletes empty folders. Orphan Finder works best with System 7 by taking advantage of aliases and works well with System 6.
$69.95 retail
Tuesday Software; 215 Via Sevilla; Santa Barbara, CA 93109; 805-962-7889, 800-945-7889 (orders) or 805-564-8955 (fax)

PLI Formatter 4.1
Media configuration software
Macintosh Plus or larger.

The PLI Formatter is user-friendly media configuration software that can tune drives to their optimum performance without reformatting them. It is a graphically-oriented application that offers features such as automatic or customized formatting, flexible media partitioning, media testing and verification update capability. Formatter also offers built-in password protection, which enables user to secure all or part of a drive or removable media.
$99.95 retail
Peripheral Land, Inc.; 47421 Bayside Pkwy.; Fremont, CA 94538; 510-657-2211, 800-288-8754 or 510-683-9713 (fax)

Remus
RAID disk array software
Macintosh with 68020 or larger processor or PowerPC; 4 MB of RAM; System 7.0 or later.

Remus is a software driver that allows multiple SCSI hard drives to be combined into a disk array. This provides high speed for disk-intensive applications, such as desktop publishing or digital video, and full RAID data protection for file servers or other data-critical applications. Remus supports RAID levels 0 (striping), 1 (mirroring), 4 and 5. A wide variety of SCSI accelerators are supported for increased performance. Remus also supports the built-in SCSI port. Any SCSI-compliant hard drive can be used, and drives of different types and sizes can be mixed. Every partition created by Remus has its own RAID level, so multiple levels may be used at once on the same drives. Remus is the perfect solution for users in need of high-speed I/O or safe data storage.
$295 retail; RAID 0 and 1
$590 retail; RAID 0,1,4 and 5
Trillium Research; 220 Locust St.; PO Box 845; Hudson, WI 54016; 715-381-1900 or 715-381-1901 (fax)

Retrieve It!
File finding and opening utility
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.

Retrieve It! quickly and easily finds any file anywhere on a Macintosh hard disk, floppy, CD-ROM or file server. It is a powerful, affordable desktop utility that can be easily used by anyone with multiple files, from novice to power user. It searches inside files, as well as file names for any specified text string by single word or entire phrase. Searches may be simple to complex: from simply finding a file, which contains a phrase to complex date-delimited Boolean searches, such as locating all files modified in the past three months. Once a file is located, it can be viewed rapidly as simple text to determine whether it is the correct file. The file can then be opened from directly inside Retrieve It! by using the full application with which it was created. Retrieve It! doesn't tie up the Macintosh during long searches; it searches in the background and signifies when the hunt is over with the bark of a golden retriever icon.
$39 retail
Claris Clear Choice; 5201 Patrick Henry Dr.; PO Box 58168; Santa Clara, CA 95052; 408-987-7000, 800-325-2747 or 415-513-0985 (fax)

■ **SCSI Director Pro**
SCSI storage device setup application
Any Macintosh or Power Macintosh.

SCSI Director Pro is a SCSI storage device setup application that prepares devices by formatting, partitioning and installing a device driver. It supports hard disks, CD-ROM, floptical, magneto-optical, Bernoulli and SyQuest drives and is SCSI Manager 4.3 savvy.
$99.95 retail
Transoft Corp.; 1150 Coast Village Rd., Ste. H; Santa Barbara, CA 93108; 805-565-5200, 800-949-6463 or 805-565-5208 (fax)

Spot CD
CD driver
Macintosh Plus or larger.

Spot CD is an advanced CD driver with features to dramatically improve performance. Spot CD has full multi- and single-session Photo, audio and data CD support and ships with all necessary access files and QuickTime. With the two types of caching, RAM and File caching, performance is dramatically improved over other CD drivers. The RAM cache allows users to cache frequently used data so they don't have to access the CD unit. Often used data is kept in the RAM cache so that data is instantaneously accessed. Users can easily adjust the RAM cache size and caching algorithm to maximize individual performance. The File cache retains the CD directory information on the internal drive so that instead of having to access the directory on the CD, the Macintosh accesses the cached directory on the internal drive. The faster internal drive access time increases performance substantially.
$69.95 retail
MacPEAK; 3701 Bee Cave Rd.; Austin, TX 78746; 512-327-3211 or 512-327-9553 (fax)

Spot On
Driver, formatting and caching software for Winchester, MO, SCSI II and removable drive
Macintosh Plus or larger; hard disk drive.

Spot On is formatting, partitioning and caching software for all popular Winchester, MO and removable drives. It is a fast, dependable driver that can use quick internal Macintosh RAM to store and retrieve data instead of accessing the slower drive. Retrieval speed is boosted up to 20 times, with further speed increases available with Queued Writes. The intelligent caching learns user work patterns and automatically saves at shutdown and restores information to cache at startup. It monitors all disk access to alert users to potential problems and has a repair function to prevent drive failures. Multiple partitions and partition types can be created to better organize data. Password protection offers various levels of drive security. Spot On is simple to use with the click of just one button to prepare a drive for use. The Fastermath option improves floating point calculations to boost number crunching and color animation speeds with 881/2 chips.
$99.95 retail
MacPEAK; 3701 Bee Cave Rd.; Austin, TX 78746; 512-327-3211 or 512-327-9553 (fax)

Stacker For Macintosh
Doubles hard disk capacity
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later.

Stacker is a safe and transparent way to double disk capacity. Users install Stacker Software with a few mouse clicks and never have to think about it again. The only thing that changes is the space available on the disk. Stac Electronics' patented LZS technology is fast and efficient, compressing all files. With Stacker, users can directly work with compressed database files. Stacker is fully compatible with all applications, INITs, SCSI disk drivers and utilities — even file recovery programs, such as Norton Utilities. Stacker AutoProtect checks file structures everytime users restart the Macintosh and allows automatic error recovery. Stacker Anywhere lets users use their hard disk or removable cartridge on any Macintosh. There's no additional software or hardware required.
$149 retail
Stac Electronics; 5993 Avenida Encinas; Carlsbad, CA 92008; 619-431-7474, 800-522-7822 or 716-873-0906 (fax)

StuffIt SpaceSaver
System enhancement that increases disk space without lifting a finger
Macintosh Plus or larger; System 6.0.5 or later.

StuffIt SpaceSaver automatically doubles disk space and allows users to use files and applications without having to manually decompress them. When users are done using a file, it is automatically recompressed. SpaceSaver's Idle-Time Compression feature allows users to install the software and see disk space transparently reclaimed over time. It is System 7 compatible.
$59.95 retail
Aladdin Systems, Inc.; 165 Westridge Dr.; Watsonville, CA 95076; 408-761-6200 or 408-761-6206 (fax)

SuperDisk!
Hard disk performance enhancement
Macintosh Plus or larger.

SuperDisk! is a Macintosh system enhancement that offers on-the-fly data compression and password security for files. The program automatically compresses and decompresses files and applications as they are opened and closed. Users of the software can establish folders or drives that compress every file moved into them, effectively expanding the capacity of their disks. The latest version of SuperDisk! includes More Disk Space, offering users background compression, enhanced compression speed, auto-expanding folders, exception by Finder label and support for hardware acceleration.
$119.95 retail
Alysis Software Corp.; 1331 Columbus Ave., 3rd Fl.; San Francisco, CA 94133; 415-928-2895, 800-825-9747 or 415-928-2896 (fax)

SuperSpot
Drive formatting and caching software
Macintosh Plus or larger.

SuperSpot is Macintosh formatting, partitioning, caching and mirroring software for all popular Winchester, MO, removable drives and CDs. SuperSpot is a fast, dependable driver that enhances performance for all drives. SuperSpot has all the features of MacPeak's Spot CD and Spot On products, plus mirroring and other features. User-defined caching greatly increases overall performance on all drives and CDs, boosting productivity. Different caching types remember work patterns to keep often used information at users' fingertips. Numerous advanced options allow users to easily adjust caching, password protection, removable media ejection and blind reads and writes options. Although SuperSpot has many advanced features, it is simple and intuitive to use.
$149.95 retail
MacPEAK; 3701 Bee Cave Rd.; Austin, TX 78746; 512-327-3211 or 512-327-9553 (fax)

Symantec Utilities For Macintosh (SUM II) V2.1
Comprehensive disk utilities package
Macintosh Plus or larger; System 4.2 or later; Finder 6.0 or later.

Symantec Utilities For Macintosh is a collection of six specialized utility programs designed to keep a hard disk operating at peak performance. Utilities include: SUM Shield, which will restore lost files and crashed hard disks; SUM TuneUp, which optimizes a hard disk so it will run at peak performance; SUM Tools, which lets users view and edit data and resource forks of any file or volume in HEX or ASCII; SUM QuickCopy, which provides for fast disk duplication or initialization; SUM Partition, which allows users to separate a hard disk into separate volumes and encrypt them; and SUM Disk Clinic, which is an interface that allows users to take advantage of all the utilities.
$149 retail
Symantec Corp.; 10201 Torre Ave.; Cupertino, CA 95014; 800-441-7234 or 800-626-8847 in CA

TimesTwo
Increases disk storage capacity
Macintosh Plus or larger; 2 MB of RAM; System 6.0.4 or later.

TimesTwo takes a completely new approach to increasing disk storage capacity. Unlike file compression utilities, which make files smaller, TimesTwo actually makes the disk bigger. After installing TimesTwo, users have an expanded disk with all their files exactly where they were before installation. That means users can store more data on the disk without having to do anything. Once users have installed TimesTwo, they can get right back to work with more disk capacity. Because TimesTwo expands the disk, rather than making the files smaller, it is completely compatible with all Macintosh applications, including file and disk recovery software, such as The Norton Utilities and Central Point's MacTools. TimesTwo is also fully compatible with virus checkers like SAM and Virex. TimesTwo works with all SCSI disks, including SyQuest, Bernoulli and erasable optical disks.
$149 retail
Golden Triangle Computers, Inc.; 11175 Flintkote Ave.; San Diego, CA 92121; 619-587-0110 or 619-587-0303 (fax)

Utilities/Plotter Drivers

Crystal Image
Large-format scanner interface
Macintosh II or larger.

The Crystal Image large-format scanner interface provides direct scanning of large documents. The resultant image is stored in native Macintosh file formats. It supports scanning resolution up to 800 dpi and paper widths up to 36-inch wide by unlimited length. Optional software is available for archiving, plotting and editing. Various scanners are also available.
$2,500 retail
Raster Imaging, Inc.; 37300 Central Ct., Ste. 3; Newark, CA 94560; 510-797-2547, 800-964-6243 or 510-797-2548 (fax)

Crystal Image System—Parallel Plotter Driver
Network plotter driver for all Macintosh applications
Macintosh II or larger.

The Crystal System is a high-speed parallel rasterizing electrostatic (VPI) plotter driver. It provides a plug and play, point and shoot, Chooser-level, easy-to-use driver for large-format black and white or color plotter output. The interface supports all standard Macintosh and QuickDraw-based applications and delivers extremely high-quality smooth fonts and graphics output. Plotter output devices are available in 11-, 24-, 36- and 44-inch widths in resolution options of 200, 300 or 200/400 dpi. Black and white or color plotters are available, as are complete turnkey network software drivers for plotters connected directly to a Macintosh, as well as plotter access to plotters on non-Macintosh servers.
$2,500 retail
Raster Imaging, Inc.; 37300 Central Ct., Ste. 3; Newark, CA 94560; 510-797-2547, 800-964-6243 or 510-797-2548 (fax)

DesignPlot
Drives the HP DesignJet series of ink jet plotters from Macintosh computers
Any color-capable Macintosh; 4 MB of RAM; System 6.0.5 or later.

DesignPlot is software to drive the Hewlett-Packard DesignJet series of ink jet plotters, both color and monochrome, from Macintosh computers. Selected from the Chooser, it lets users transparently plot photographic or drawn images and top-quality text in millions of colors from any of the common Mac (QuickDraw-based) programs. It features background spooling under both System 6 or 7 and a full plot preview.
$599 retail
GDT Softworks Inc.; 4664 Lougheed Hwy., Ste. 188; Burnaby, BC, Canada V5C 6B7; 604-291-9121, 800-663-6222 (U.S.) or 604-291-9689 (fax)

Jade System—SCSI Or Serial Plotter Driver
Network plotter driver for all Macintosh applications
Macintosh II or larger.

The Jade System is a high-speed rasterizing plotter driver. It provides a plug and play, point and shoot, Chooser-level, easy-to-use driver for large-format black and white or color plotter output. The interface supports all standard Macintosh and QuickDraw-based applications and delivers extremely high-quality smooth fonts and graphics output. Plotter output devices are available in 11-, 24- and 36-inch widths in resolution options of 200 or 200/400 dpi. Black and white or color plotters are available, as are complete turnkey network software drivers for plotters connected directly to a Macintosh, as well as plotter access to plotters on non-Macintosh servers.
$95 retail; serial
$195 retail; SCSI
$1,995 retail; network site
Raster Imaging, Inc.; 37300 Central Ct., Ste. 3; Newark, CA 94560; 510-797-2547, 800-964-6243 or 510-797-2548 (fax)

MacPlot DMA Electrostatic
Chooser-level, parallel electrostatic plotter driver
Macintosh that supports NuBus cards; 8 MB of RAM; hard disk drive.

MacPlot DMA Electrostatic is a Chooser-level driver that drives CalComp, OYO, RasterGraphics and Versatec electrostatic plotters. It supports virtually all Macintosh standard programs in CAD, engineering, drawing, presentation and graphics fields to produce high-resolution color output. The easy-to-install Direct Memory Access (DMA) NuBus card allows direct raster output, increasing the speed of data transfer. It supports ATM and TrueType fonts to produce high-resolution WYSIWYG text output. Users simply install the driver in the System folder and control it from the Chooser. Also available is a function to create raster or compressed raster disk files. MacPlot is System 7 compatible.
$2,495 retail
Microspot; 12380 Saratoga-Sunnyvale Rd., Ste. 6; Saratoga, CA 95070; 408-253-2000, 800-622-7568 or 408-253-2055 (fax)

MacPlot Electrostatic
Chooser-level electrostatic plotter driver
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.

MacPlot Electrostatic is a Chooser-level driver that drives major brand electrostatic plotters, including CalComp and Versatec. It supports all Macintosh standard programs in the CAD, engineering, drawing, presentation and graphics fields to produce high-resolution color output from any Macintosh with only 1 MB of RAM required. It supports QuickDraw formats to produce resolution up to that of the plotter and supports ATM and TrueType fonts to produce high-resolution text output. Users simply install the driver in the System folder and control it from the Chooser. Background printing is available. The driver is easy to use, System 7 compatible and fully networkable by using Shiva's NetSerial.
$595 retail
Microspot; 12380 Saratoga-Sunnyvale Rd., Ste. 6; Saratoga, CA 95070; 408-253-2000, 800-622-7568 or 408-253-2055 (fax)

MacPlot HP-GL/2 InkJet
Chooser-level plotter driver
Any Macintosh; 1 MB of RAM; hard disk drive.

MacPlot is a Chooser-level driver that drives the Encad Novajets, Hewlett-Packard 7600 series and DesignJet plotter series in HP-GL/2 format. It supports all standard Macintosh programs in the CAD, engineering, drawing, presentation and graphics fields to produce high-resolution color output. It supports QuickDraw formats to produce resolution up to that of the plotter, and supports ATM and TrueType to produce higher resolution text output. User-configurable page sizes and built-in background plotting are also supported. MacPlot is easy to use, System 7 compatible and fully networkable.
$595 retail
Microspot; 12380 Saratoga-Sunnyvale Rd., Ste. 6; Saratoga, CA 95070; 408-253-2000, 800-622-7568 or 408-253-2055 (fax)

MacPlot Pen Plotter Standard And Professional
Chooser-level pen plotter drivers
Macintosh 512K or larger; 1 MB of RAM; hard disk drive.

MacPlot Pen Plotter Standard is a Chooser-level driver that drives more than 30 different A- and B-size pen plotters, including CalComp, Hewlett-Packard, Houston Instrument, Océ Graphics, Mutoh and Roland. MacPlot Pen Plotter Professional is a Chooser-level driver that drives more than 100 different pen plotters, vinyl and sign cutters in A through E size. Both drivers offer user-configurable page sizes (the Professional

These Products Available Through Bottom Line Distribution
1-800-347-1923

offering page lengths limited only by the plotter); support 32-bit QuickDraw; recognize 16 million colors; support ATM and TrueType to produce laser-quality text output, even for outline/hollow text; are System 7 compatible; are networkable using Shiva's NetSerial; and offer online and Balloon Help, Plot Preview functions and Status Dialog Feedback. The Professional version also supports background plotting via MacPlot's own Backgrounder program and creates Plot command files in HPGL, CalComp 907 and other formats.
$199 retail; MacPlot Standard
$399 retail; MacPlot Professional
Microspot; 12380 Saratoga-Sunnyvale Rd., Ste. 6; Saratoga, CA 95070; 408-253-2000, 800-622-7568 or 408-253-2055 (fax)

MacPlot Raster
Chooser-level plotter driver
Macintosh that supports NuBus cards; 8 MB of RAM.
MacPlot Raster is a Chooser-level driver that drives the Hewlett-Packard DesignJet series, including the DesignJet 650C, and the Encad NovaJet ink jet plotters up to paper size E. It supports virtually all Macintosh standard programs to produce high-resolution WYSIWYG color output. The easy-to-install Direct Memory Access (DMA) NuBus card allows direct raster output, increasing the speed of data transfer. It supports ATM and TrueType fonts to produce high-resolution WYSIWYG text output. Users simply install the driver in the System folder and control it from within the Chooser. Also available is a function to create raster or compressed raster disk files. MacPlot is System 7 compatible.
$1,295 retail; includes one free five-pak
Microspot; 12380 Saratoga-Sunnyvale Rd., Ste. 6; Saratoga, CA 95070; 408-253-2000, 800-622-7568 or 408-253-2055 (fax)

Mesa Graphics Plotter Utility
Plotting application for Apple, Hewlett-Packard and Houston Instruments plotters
Macintosh Plus or larger; System 6.0 or later.
The Mesa Graphics Plotter Utility provides professional fonts for exceptional results on Hewlett-Packard and Houston Instruments plotters for professional drawings or business plots in color. The utility supports the PICT format, is MultiFinder compatible, provides background plotting and network access to plotters with Shiva Corp.'s Net Serial hardware. A flexible color interface is provided for monochrome or color Macintoshes. Mesa Graphics Plotter Utility supports Hewlett-Packard or HPGL-compatible plotters, Houston Instruments or DMPL-compatible plotters and the Apple color plotter. It provides accurate control of output scaling for engineering drawings and automatic sizing for business plots and supports sizes A through E (8.5 by 11-inches through 35 by 48-inches) if supported by the plotter.
$125 retail
Mesa Graphics, Inc.; PO Box 600; Los Alamos, NM 87544; 505-672-1998

Plottergeist 2.1
Chooser-level plotter/vinyl cutter driver
Macintosh Plus or larger (background printing requires 2 MB of RAM and MultiFinder).
Plottergeist is a Chooser-level plotter/vinyl cutter driver for the Macintosh. It features background plotting (allowing users to work on the Macintosh while plotting), full System 7 compatibility (including balloon help for all plotting functions and direct TrueType and ATM font rendering), direct support for many different plotter and vinyl cutter models (including ones from Hewlett-Packard, Roland, CalComp, Mutoh and Ioline) and a plot to disk option for sending work to a service bureau or different machine. The program combines the simplicity of a regular printer driver with WYSIWYG quality users didn't think they could expect from a plotter driver. It works with a variety of CAD, graphics and presentation programs, such as MiniCad, Claris CAD, Canvas, PageMaker and more. It comes with a 30-day, money-back guarantee.
$399 retail
GDT Softworks Inc.; 4664 Lougheed Hwy., Ste. 188; Burnaby, BC, Canada V5C 6B7; 604-291-9121, 800-663-6222 (U.S.) or 604-291-9689 (fax)

Utilities/Printer Drivers

Freedom Of Press Pro
Prints complex, high-quality PostScript language text and graphics files on a wide range of non-PostScript imaging and printing devices
Macintosh II family or larger; 4 MB of RAM (8 MB or more recommended for maximum performance and background operation); math coprocessor; 4 MB of hard disk space; System 6.0.5 or later.
Freedom of Press Pro provides PostScript language compatibility for a variety of professional imaging and printing devices. It allows users to output text and graphics files to a wide range of devices, or to create variable resolution raster data output files from PostScript language input in color or monochrome. It supports more than 60 color and monochrome printers, including laser, ink-jet, dot matrix, color thermal and sublimation dye printers. Supplemental Drivers are available for the Canon Color Laser Copier 500, 300, Canon BJ-A1, several large-format color electrostatic plotters and Scitex file formats output. Freedom of Press Pro also supports 24-bit film recorders, as well as TIFF, PICT, Targa and raw raster file output in variable resolutions. The Anti-Aliasing option dramatically enhances the quality of both text and graphics on continuous-tone color devices. The program also includes ColorVantage, ColorAge's CAI's unique automatic correction for scanned images output on selected devices. The Screen Preview feature allows users to preview PostScript files in color or black and white before printing. The program includes 35 scalable/rotatable outline fonts and directly supports ATM and hinted Adobe Type 1 fonts. Freedom of Press Pro is System 7 compatible.
$1,495 retail; base module
$1,495 each retail; Supplemental Drivers
$3,500 retail; for BJ-A1 Supplemental Driver
ColorAge Inc.; 900 Middlesex Turnpike, Bldg. 8; Billerica, MA 01821; 508-667-8585, 800-437-3336 or 508-667-8821 (fax)

MacJet And On Page
Printer drivers
Macintosh Classic or larger.
MacJet is a printer driver that enables Macintosh computers to connect to a DOS-based printer sharing network with non-PostScript printers. On Page is the PostScript version.
$99 retail; MacJet
$149 retail; On Page
ASP Computer Products, Inc.; 160 San Gabriel Dr.; Sunnyvale, CA 94086; 408-746-2965, 800-445-6190 or 408-746-2803 (fax)

MacJet III
Chooser-level QuickDraw printer driver
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later.
MacJet is an advanced Chooser-level QuickDraw printer driver that allows HP laser printers or compatibles to operate with any Macintosh. Features include: converts PostScript Type 1 or TrueType fonts into downloadable HP fonts. Prints color text and graphics as gray scale on black and white printers. It supports serial (through 57.6K), parallel or optional AppleTalk I/O. It features WYSIWYG operation with print Preview.
$149.95 retail
Computer:applications, Inc.; 12813 Lindley Dr.; Raleigh, NC 27614; 919-846-1411 or 919-846-1412 (fax)

MacPalette II
Color printer driver for the ImageWriter II
Macintosh Classic II or larger.
MacPalette II allows color printing of graphics and text from virtually all software on the ImageWriter II. Printing can be done from any Macintosh with a color monitor. MacPalette II allows 250,000 colors to be produced from just a four-color ribbon. This Chooser-level replacement printer driver is easy to operate with online help dialog boxes. Also available is a scaling feature for ImageWriter output from 10 to 1,000 percent. Gray-scale output can be done using a black ribbon. It is fully compatible with Adobe Type Manager and TrueType. An AppleTalk version is available that allows an unlimited number of users to print to one ImageWriter II. MacPalette II is System 7 compatible and allows background printing on the ImageWriter II.
$69 retail
$249 retail; AppleTalk version
Microspot; 12380 Saratoga-Sunnyvale Rd., Ste. 6; Saratoga, CA 95070; 408-253-2000, 800-622-7568 or 408-253-2055 (fax)

MacPrint
HP LaserJet/DeskJet printer driver
Macintosh Plus or larger.
MacPrint is capable of driving the LaserJet Series IID, IIP, III, IIID, DeskJet, DeskJet 500, LaserJet II, LaserJet 2000, LaserJet 500, LaserJet Plus and DeskJet printer from the Macintosh. The product will also run on any HP-compatible laser printer, such as those available from Epson, Panasonic, Okidata and Lexmark. MacPrint is installed as a Chooser-level device using a supplied installer program. The MacPrint Chooser shows each individual printer's features, allowing a user to take full advantage of each printer's capabilities. It also provides control for duplex printing, binding margins and cover pages. MacPrint uses the printer's resident fonts, when possible, to create output. It has the additional capability of creating a printable font based on the Macintosh QuickDraw screen font in print resolutions of 300, 150 or 75 dpi.
$149 retail
Insight Development Corp.; 2420 Camino Ramon, Ste. 205; San Ramon, CA 94583; 510-244-2000, 800-825-4115 or 510-244-2020 (fax)

OnPage
Color PostScript printer driver
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later.
OnPage is a device-independent color PostScript printer driver. It parses PPD (printer description) files to implement support for all printer features (i.e., multiple input and output trays, collating, stapling, etc.). It is shipped with AppleTalk and serial versions.
$149.95 retail
Computer:applications, Inc.; 12813 Lindley Dr.; Raleigh, NC 27614; 919-846-1411 or 919-846-1412 (fax)

PCL4T
Allows IBM PCs to print from HP-compatible software to PostScript-only laser printers
IBM PC; DOS 3.0 or later; PostScript printer.
PCL4T is a PC-based utility that allows IBM PCs to print from HP-compatible software to PostScript-only laser printers. This TSR converts the HP-PCL codes to PostScript automatically. PCL4T allows owners of the Apple LaserWriter, LaserWriter Plus and other non-PCL, PostScript printers to print from virtually any PC-based software package. PCL4T has built-in Auto-Emulation Sensing, so users need never worry about manually reconfiguring their printers to operate in different Page Description Languages. PostScript printers that would benefit most from this TSR include the Apple LaserWriter and LaserWriter Plus; the QMS PS 800, 800+ and 810; and all other PostScript printers that do not have HP LaserJet emulation.
$75 retail
The Printer Works; 3481 Arden Rd.; Hayward, CA 94545; 510-887-6116, 800-225-6116 or 510-786-0589 (fax)

PowerPrint 2.5
Printer drivers that allow users to print from a Macintosh to more than 1,000 laser, inkjet and dot matrix printers
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.7 or later.
PowerPrint is a collection of fast QuickDraw printer drivers that enable Macintosh computers to print to Canon LaserBeams and BubbleJets, HP LaserJets and DeskJets, Epson FXs and LQs, Toshiba P-Series, NEC Pinwriters and hundreds of compatibles (more than 1,000 printers). A few of its many features include: built-in spooler; user-definable custom paper sizes and default dialog settings; enhanced gray scales; image reduction, enlargement, flipping and inversion; and even/odd pages printing. Features, such as color, multiple bins, duplex printing, job offset and internal fonts, are supported for most printers. PowerPrint drivers are Chooser-level and are compatible with

System 7, A/UX, Adobe Type Manager, TrueType and Communications Toolbox. PowerPrint comes complete with a high-speed, serial-to-parallel converter cable — ideal for PowerBook users who want access to just about any printer on the road or who want to use PC-compatible portable printers, such as Canon's 10ex or HP's DeskJet Portable. Network versions are also available. With version 2.5 users can print 32-bit color on color printers — Cannon BJC-600 or Hewlett Packard DeskJet 560C.
$149 retail
GDT Softworks Inc.; 4664 Lougheed Hwy., Ste. 188; Burnaby, BC, Canada V5C 6B7; 604-291-9121, 800-663-6222 (U.S.) or 604-291-9689 (fax)

PowerPrint/NW 1.0
Allows users to print from a networked Macintosh to more than 1,000 printers over Novell NetWare
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.7 or later.

PowerPrint/NW is a collection of fast, Novell NetWare-compatible, QuickDraw printer drivers that enable Macintosh computers to network and print to Canon LaserBeams and BubbleJets, HP LaserJets and DeskJets, Epson FXs and LQs, NEC Pinwriters and hundreds of compatibles (more than 1,000 printers). All drivers are designed to connect to printers that have been set up on Novell print servers, as remote printers on networked PCs or via direct network interfaces. A few of its many features include: built-in spooler; user-definable custom paper sizes and default dialog settings; enhanced gray scales; image reduction, enlargement, flipping and inversion; and even/odd pages printing. Features, such as multiple bins, duplex printing, job offset and internal fonts, are supported for most printers. PowerPrint/NW drivers are Chooser-level and are compatible with System 7, A/UX, Adobe Type Manager, TrueType and Novell NetWare 3.11 or later. Stand-alone and other network versions are available.
$499 retail; 50-user license
GDT Softworks Inc.; 4664 Lougheed Hwy., Ste. 188; Burnaby, BC, Canada V5C 6B7; 604-291-9121, 800-663-6222 (U.S.) or 604-291-9689 (fax)

Q-Bit
Targa driver to MGI Solitaire and Sapphire film recorders
Macintosh II or larger; 4 MB of RAM; math coprocessor.

Q-Bit is a 16-, 24- and 32-bit Targa driver to MGI Solitaire and Sapphire film recorders. It features an easy-to-use queue system and is especially suited for large picture files (more than 30 MB).
$495 retail
Management Graphics, Inc.; 1401 E. 79th St.; Minneapolis, MN 55425; 612-854-1220 or 612-851-6159 (fax)

Sitka NetPrint
Remote printing software with spooler that allows a PC or compatible to print directly to an Apple LaserWriter or other AppleTalk-compatible printer over a network such as SitkaTops
IBM PC or compatible.

Sitka NetPrint is a spooler and remote printing software package that enables DOS users to print directly to an Apple LaserWriter or other PostScript-compatible printer from within their DOS applications. It allows DOS users to print with the full IBM character set, all LaserWriter Plus fonts and any other downloadable fonts.
$189 retail
Sitka Corp.; 950 Marina Village Pkwy.; Alameda, CA 94501; 510-769-9669, 800-445-8677 or 510-769-8771 (fax)

■ **StyleScript For The Apple Color StyleWriter Pro**
Upgrades Color StyleWriter
Macintosh with 68020 processor (except Macintosh II); 8 MB of RAM; System 7.0 or later; 5 MB of free hard disk space.

StyleScript is genuine Adobe Level 2 PostScript software that upgrades Color StyleWriters to their maximum capabilities. With StyleScript, users can accurately print color images and easily use their Color StyleWriter as an inexpensive proofing machine for more expensive printers. Because StyleScript is genuine Adobe PhotoScript, users are assured of complete compatibility with their programs and files. StyleScript's PostScript is also Level 2, so color calibrations and separations will match other color PostScript devices. With StyleScript, users have access to Adobe's latest technology. StyleScript is based on a new version of Adobe's proven CPSI (Configurable PostScript Interpreter) technology — a fast, upgradeable form of PostScript that resides in the computer instead of the printer. StyleScript is easy to install and use, and is designed specifically for the printer. The driver can use all four media types (plain paper, coated paper, transparencies and back-print film) and can produce images at the printer's highest resolution.
$149 retail
GDT Softworks Inc.; 4664 Lougheed Hwy., Ste. 188; Burnaby, BC, Canada V5C 6B7; 604-291-9121, 800-663-6222 (U.S.) or 604-291-9689 (fax)

TTS Print
Canon LBP and HP LaserJet printer access for Macintosh users
Macintosh Plus or larger; 4 MB of RAM; System 7.

TTS Print allows Macintosh users to print directly to the Canon LBP series, HP LaserJet printers or any other printer equipped with the Adobe PostScript cartridge. Previously, the PostScript cartridge without the AppleTalk card was strictly accessible to IBM users. Features include: supports all Adobe PostScript fonts and printer effects available with the PostScript cartridge; retains all PostScript capabilities; easy to install and use; functions as an application and runs in the background using MultiFinder; requires no special commands or unusual connections; connection via the Macintosh modem port allows for the use of an additional printer connected to the printer port; prints at the same speed as if sent from an IBM or compatible computer; allows multiple Macintoshes on AppleTalk to print to the printer; and includes the TTS Print cable.
$139 retail
TeleTypesetting Co.; 311 Harvard St.; Brookline, MA 02146; 617-734-9700 or 617-734-3974 (fax)

Utilities/Print Spoolers

CGM-View
Allows users to preview CGMs
Macintosh II; A/UX.

CGM-View is a stand-alone application for preview and hard copy output of CGMs. This application is often used as a filter for print spoolers in multiuser and network environments, providing users with background printing and plotting at the output device's full resolution. CGM-View reads CGM files in binary, character and clear text formats and outputs them to any supported screen display or hard copy device. Numerous output devices are currently supported, including pen plotters; impact, ink jet and hot wax printers; film recorders; and electrostatic plotters. CGM-View can also convert CGMs to HP-GL and PostScript files. CGM-View provides zoom, pan and rotate functions, as well as basic editing functions, such as color and text modification.
$1,395 retail
Advanced Technology Center; 22982 Mill Creek Dr.; Laguna Hills, CA 92653; 714-583-9119 or 714-583-9213 (fax)

CI-Spool
Unix printing manager
Macintosh SE/30 or II family; 4 MB of RAM; 80 MB hard disk drive; A/UX 3.0 or later.

CI-Spool is a Unix printing manager that offers extensions to Unix resident printing managers. It is written in C and works both on ATT System V and BSD 4.3 environments. It recognizes VT100 ASCII VDU, Macintosh and Windows, providing an easy-to-use interface. When launched from a Macintosh, CI-Spool can be used in the same manner as a Macintosh program, allowing users to open several windows that show different printing queue files. Users can also change the printing characteristics of any file to see its progression in the printing queue. Features include: differentiate the origin of each printing request; allocate paper size; real-time display of print queue; recognize VT100 Terminal, Macintosh or Windows; reprint from any page and display the printing page content.
$1,100 to $3,700 U.S. retail; per server
About Software Corp.; 10601 S. De Anza Blvd., Ste. 211; Cupertino, CA 95014; 408-864-7954 or 408-864-0694 (fax)

Color Central 2.1
OPI/DCS print server
Macintosh SE/30 or larger; 4 MB of RAM; hard disk drive; System 7.0 or later.

Color Central is an OPI/DCS print server that is designed for prepress operations working with high-resolution color and halftone images. It allows users to work with a low-resolution placement file, while the larger color separations or high-resolution images reside on the Color Central server. The workstation becomes significantly more productive because it works with a dramatically smaller file that can be rotated, cropped and scaled in a matter of seconds. When the file is sent to the Color Central print queue, a user's Macintosh is released very quickly. Color Central allows a maximum of six printer devices and 16 print queues. This provides the simultaneous spooling of jobs to many print devices over a network. Using the included Color Central Remote, an administrator can perform management functions remotely from their workstation, including inquiries on the status of jobs and the amount of traffic on the system.
$3,995 retail
Aldus Corp.; 411 First Ave. S, Ste. 200; Seattle, WA 98104; 206-622-5500, 800-685-6636 or 206-343-4248 (fax)

Color Express
OPI/DCS graphics printer server
Any Macintosh.

Color Express is a Macintosh-based OPI/DCS graphics printer server that allows up to six printers and 16 Chooser-level print queues to be configured and monitored. Color Express will store and manage high-resolution color or monochrome graphics and provide low-resolution "samples" for use in page makeup. Jobs in queues may be rearranged, placed on hold or moved between queues. All encountered errors are recorded, while Color Express continues on to the next job. Color Express features remote access to these management controls and supports all networked PostScript printers.
$4,000 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

CT-Spool
Tandem mainframe to Apple LaserWriter print spooling
Macintosh II or larger; System 7.0 or larger; Tandem computer.

CT-Spool provides a link between Tandem's spooler and printers, accessible through AppleTalk-based LANs. It provides local control over Tandem host documents, including capabilities to hold and release jobs locally and to specify multiple copies. Using the standard Macintosh interface, CT-Spool provides users with the capability to specify (and modify) the document font, font size, style, margins, page orientation, size, etc. A library of different formats can be maintained to address a variety of formatting needs: program listing vs. letters vs. manuals, and spooled output can be automatically associated with a given format. A series of processing windows are provided to assist users in monitoring and evaluating the spooling and printing processes. CT-Spool shares the printers with other Local Area Network users.
Call for pricing
Menlo Business Systems, Inc.; 201 Main St.; Los Altos, CA 94022; 415-948-7920 or 415-949-6655 (fax)

■ **Microspot AppleTalk Printer Tool**
Communications Toolbox connection tool
Macintosh II or larger; System 7.0 or later; Communications Toolbox installed.

The Microspot AppleTalk Printer Tool is a Communications Toolbox connection tool that will transmit data to any AppleTalk printer or print queue, on a network, using the Printer Access Protocol (PAP). The Microspot AppleTalk Printer Tool is compatible with all applications or utilities that support the Communications Toolbox. Once configured, when the AppleTalk Printer Tool receives an instruction to transfer data, it deals with the details of transmission. The command language can be HPGL, HPGL/2, RTL, PostScript or

These Products Available Through Bottom Line Distribution
1-800-347-1923

any other data format. The Microspot AppleTalk Printer Tool is compatible with all Macintoshes and Power Macintoshes. It enables communication in a variety of situations, to a Hewlett-Packard DesignJet fitted with an AppleTalk JetDirect MIO card or to a Novell print server running NetWare for the Macintosh. When sending print data to a Novell server, the data is dropped directly into the Novell print queue and passed to the appropriate printer.
$199 retail; one to five users
$495 retail; unlimited users
Microspot; 12380 Saratoga-Sunnyvale Rd., Ste. 6; Saratoga, CA 95070; 408-253-2000, 800-622-7568 or 408-253-2055 (fax)

Microspot PrintSender
Reads in any data file and sends the data out of any supported output port
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later.

The Microspot PrintSender is a simple application designed to read in any data file and send the data out of any of the supported output ports on a Macintosh. The data files can be in any format as long as the device at the other end of the communications port understands the data being sent to it. Examples of this could include: sending an HPGL file to a pen plotter, an RTL file to an ink jet plotter, a PostScript file to a LaserWriter or maybe a text file to a modem. The Microspot PrintSender also has the ability to set up a "Hot" folder so that if any data file is put into that "Hot" folder, it is automatically read in and sent out of the currently selected port. Other features include Queue Management, which enables users to set any length of delay time, set the print time and reorder the files waiting to be printed. It will also allow for delays between prints, including prompts to change the paper.
$129 retail
Microspot; 12380 Saratoga-Sunnyvale Rd., Ste. 6; Saratoga, CA 95070; 408-253-2000, 800-622-7568 or 408-253-2055 (fax)

Print Central
Print server
Macintosh SE/30 or larger; 4 MB of RAM; hard disk drive; System 7.0 or later.

Print Central is an easy-to-use print server for the processing of high volumes of print jobs to PostScript output equipment. It offers the advantage of a "multiple device" print server so a user's computer is released instantly while Print Central handles the downloading of jobs to the printer(s). This multiple printer queue capability provides the simultaneous spooling of jobs to many print devices over a network. Print Central gives users a greater level of productivity by reducing the amount of waiting time that is often associated with the printing of large or complex files. A network administrator can perform management functions, such as reprioritizing, removing or putting jobs on hold remotely from their workstation. Print Central provides up-to-the-minute error and activity reports, giving an administrator complete information about the status of jobs and the amount of traffic on the system.
$795 retail
Aldus Corp.; 411 First Ave. S, Ste. 200; Seattle, WA 98104; 206-622-5500, 800-685-6636 or 206-343-4248 (fax)

■ **PrintShuttle**
Print spooling and management utility
Macintosh II or larger; System 7.0 or later.

PrintShuttle is a print spooling and management utility. PrintShuttle significantly speeds up the output performance of print jobs sent to networked laser printers. Unlike conventional print spoolers that "background" and utilize precious CPU power, PrintShuttle sends print jobs to another machine on the network for the actual printing and interaction with the printer. PrintShuttle is compatible with any printer that uses the Apple LaserWriter driver. Besides offloading print jobs from the user's machine, PrintShuttle saves a significant amount of drive space because printer fonts can be removed from the user's System folder and consolidated on the print server. The PrintShuttle Starter Pack contains the print server application and software for one client. Additional Client Packs are available separately.
$168 retail; starter pack
$336 retail; five-user client pack
$504 retail; 10-user client pack
$940 retail; 20-user client pack
$2,100 retail; 50-user client pack
MicroMat Computer Systems; 7075 Redwood Blvd., Bay 4; Novato, CA 94947; 415-898-6227, 800-829-6227 or 415-897-3901 (fax)

PServe 3.1
Dedicated PostScript printer server
Any Macintosh; LocalTalk or EtherTalk.

PServe is a dedicated AppleTalk hardware device that manages printer queues, as well as fonts, prep files and documents. Any Macintosh or PC on LocalTalk or EtherTalk can use PServe. PServe will manage up to eight PostScript devices. Each may have two input queues, an active queue and a hold queue. PServe generates job accounting by User, Job, Time to Print, Pages and Date/Time. Several output priorities are available, including "Keep" queue, which allows jobs to be re-printed directly from the server.
$1,095 retail; software
$1,325 retail; software and LocalTalk card
$1,595 retail; software and EtherTalk card
CoOperative Printing Solutions, Inc.; 5950 Live Oak Pkwy., Ste. 175; Norcross, GA 30093; 404-840-0810 or 404-448-7821 (fax)

PServe ADS
Dedicated document server
Any Macintosh.

PServe ADS is a dedicated document server that provides graphics management, file serving, spooling, job tracking, multiple queues, error trapping and automatic picture replacement. A typical workflow for ADS would be scanning an image into a retouching package, retouching and then saving the EPS or DCS files to the server. The layout person would then generate a preview with the provided Preview Maker for placement in a page layout program. The preview may be scaled, rotated, cropped, stepped and repeated, etc. At print time, only a single line of code must go down the network for each image in the document, clearing the screen instantly and allowing users to get back to work. Meanwhile, at the ADS station, the line of code calls the high-resolution image, and it is included in the document and output.
$5,495 retail
CoOperative Printing Solutions, Inc.; 5950 Live Oak Pkwy., Ste. 175; Norcross, GA 30093; 404-840-0810 or 404-448-7821 (fax)

SpeedDriver
Print job spooler, OPI server and PostScript output device driver
Macintosh II or larger.

SpeedDriver manages printer and laser imager queues and eliminates transferring large graphics files over a network to be included in a PostScript file for printing using OPI, including high-resolution color separations and halftones. SpeedDriver has spooler-like features to assign job priorities, print times, rerouting capability and error detection. Print jobs sent from other DT applications release from the workstations instantly when SpeedDriver is used to generate the PostScript data for the output devices independently from any other Macintosh or PC on the network.
$7,995 retail; software
Digital Technology International; 500 West 1200 South; Orem, UT 84058; 801-226-2984 or 801-226-8438 (fax)

Spool Express
Network print server
Any Macintosh.

Spool Express is a Macintosh-based network print server that effectively manages up to six printers with 16 Chooser-selectable print queues. Spool Express allows multiple workstations to print concurrently with improved speed and maintains a steady work flow, resulting in more productive workers. Jobs within a Spool Express queue can be monitored, reprioritized, placed on hold or even moved into another queue altogether. All encountered errors are recorded, while Spool Express continues on to the next job. Spool Express features remote access to these management controls and supports all networked PostScript printers.
$800 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

Utilities/Security Software

Access Managed Environment (A.M.E.) 2.1
Security and virus program
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later.

Access Managed Environment (A.M.E.) is an integrated security and virus program. The carefully designed user interface makes it easy to set up a Macintosh with just the kind of security required. The program can maintain order on a Mac that is used by many people. Users can be given access to only the tools they need to do their work. For multiple users, access privileges can be set for files, folders, programs and disks. Other features include: Volume Lock, which prevents access to a hard disk when someone tries to start up with another system disk; Activities Log, which records the activities that take place on a user's Mac; viral protection; password options; auto sign off; auto sign on; true file erase; alerts; online contextual help; and more. A.M.E. is System 7 compatible.
$159 retail
$599 retail; five pack
$999 retail; 10 pack
Casady & Greene, Inc.; 22734 Portola Dr.; Salinas, CA 93908; 408-484-9228, 800-359-4920 or 408-484-9218 (fax)

ACE/Server
Protects AppleTalk networks against login attempts by unauthorized users at remote locations
TCP/IP connection between ARA V2.0 Multiport server and Unix platform acting as the security server.

The ACE/Server protects AppleTalk networks against login attempts by unauthorized users at remote locations. It adds a vital layer of access security without compromising logon convenience for authorized users. Client code provides the interface with remote users and transmits authentication requests to a network-based security server. A comprehensive audit trail assures user accountability and maintains a record of all administrative activity. Used in conjunction with Security Dynamics' patented SecurID Card, the ACE/Server positively identifies, authenticates and provides highly secure access control. The SecurID Card is a hand-held, credit card-sized token that generates and displays a unique, unpredictable, one-time access code every 60 seconds. To gain access to a protected environment, an authorized user must correctly enter via their system keyboard a memorized Personal Identification Number (PIN) immediately followed by the current code displayed on his/her SecurID Card.
$1,950 and up retail
Security Dynamics, Inc.; One Alewife Center; Cambridge, MA 02140; 617-547-7820 or 617-354-8836 (fax)

AVUS
Anti-virus update service
Macintosh Plus or larger; System 6.0 or later.

Viruses not only cause bombs, malfunctions or system crashes, but users may also lose precious data. Subscribers to AVUS, Anti-Virus Update Service, automatically get a copy of the latest version of Disinfectant as soon as it is out. (Disinfectant is a free public domain application from John Norstad and AVUS is offered to users with John's express approval.) If there are less than six Disinfectant updates a year, AVUS subscribers will receive the remaining disks (included in their subscription, but not used for updates) filled with other new PD&S software.
$45 U.S. retail; one-year subscription
Mactivity International; 140 Wirtzfeld Valley; B-4761 Bullingen; Belgium; 32-80-647713 or 32-80-642285 (fax)

BSafe
Toolkit that provides a variety of cryptographic functions
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.

BSafe 2.0 is the newest release of the cryptography toolkit. Fully compatible with keys and data from previous versions, it is a portable C toolkit that allows developers to integrate privacy and authentication features into virtually any application. BSafe modules can be used to construct anything from RSA Digital

Signatures to complex key exchange or negotiation schemes. BSafe provides a programmer with a complete palette of crypto algorithms, including RSA, DES, the exportable RC2 and RC4 ciphers, Diffie-Hellman and many more.
$290 retail; single user
$950 retail; 10 users
$3,000 retail; 100 users
Call for products to be marketed and distributed using RSA Developers Toolkits
RSA Data Security, Inc.; 100 Marine Pkwy., Ste. 500; Redwood City, CA 94065; 415-595-8782 or 415-595-1873 (fax)

Camouflage
Security software system
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.2 or later.

Camouflage provides fast and secure protection of files and folders for network/phone data transmission or storage on any drive. Users can password encrypt files with DES or an even faster, very secure proprietary system. Camouflage features options to automatically double encrypt, using any combination of DES/proprietary methods to "hacker proof" sensitive, confidential or proprietary files/folders. Camouflage uniquely enables users to encrypt with one Macintosh (having the Camouflage application), then transmit encrypted data by LAN, WAN, telephone or physical transport of disk to any other Macintosh, even if Camouflage is not installed on it. With the proper password, the program will decrypt and then destroy itself, leaving only the decrypted data on the computer.
$149 retail
usrEZ Software, Inc.; 18881 Von Karman, Ste. 1270; Irvine, CA 92715; 714-756-5140 or 714-756-8810 (fax)

■ **CD-Meter**
Locks CD-ROM programs, which can be unlocked with a phone call to the seller company
Macintosh II or larger; 8 MB of RAM; 500 MB hard disk drive.

CD-ROM Meter is a kit that allows for the preparation of files for a CD-ROM in a "locked" format that can be unlocked with a simple phone call to the seller company. This allows a CD-ROM disc full of unlocked working and interactive demos, as well as a folder containing the locked full working versions of the programs. Now small software company cooperatives, large mail order operations, users groups or even a single publisher can offer demos and programs for sale on CD-ROM at reasonable prices. The CD-ROM Kit consists of three programs: CD-ROM Make program (creates the locked programs and two support files to be moved to the CD-ROM); CD-ROM Activate program (placed on the CD-ROM with the files created by the CD-ROM Make program — it allows end users to unlock a program and install it on their hard disk when provided with a code from the seller); and CD-ROM Sell program (placed on the computer of the telephone sales person, they enter three codes provided by the end user and this program will generate the "unlocking" code to give to the buyer).
$49 retail
CopperHead Software; 3711 Shamrock W, Ste. 176; Tallahassee, FL 32308; 904-222-8808 or 904-668-9916 (fax)

Crypt Master
Encryption utility
Macintosh II family; 2 MB of RAM.

Crypt Master is a menu-driven public-key encryption utility that employs the Data Encryption Standard (DES) and the Rivest-Shamir-Adleman Public-Key Cryptosystem. It provides virtually unbreakable security for sensitive word processing documents, spreadsheets, databases, e-mail, fax transmissions and telex transmissions. Additional features include: digital signatures, message authentication, ASCII conversion, data compression and file erasure utilities. Crypt Master is only available to agencies and departments of the U.S. Federal Government. Available versions include A/UX (requires A/UX 1.1.1 or later) and MacOS.
$149.95 retail; single unit government price
Information Security Corp.; 1141 Lake Cook Rd., Ste. D; Deerfield, IL 60015; 708-405-0500 or 708-405-0506 (fax)

CryptoMactic
Integrated desktop encryption, shredding and trash management
Macintosh Plus or larger; System 6.0.5 or later.

Users can use CryptoMactic for encryption. It's hacker-proof and is built directly into the desktop. To encrypt, users select an icon, press -1 and enter a code key. It's that easy. CryptoMactic offers the fastest, most rigorous algorithms and key management available. Users can even create self-decrypting files for secure communication and allow override or not. Without override, there are no backdoors. CryptoMactic also includes EasyTrash and Incinerate, indispensable utilities that trash and/or shred from the desktop with just a keystroke.
$99 retail; site licenses available
Kent Marsh Ltd.; One Kent Marsh Cir.; 3260 Sul Ross; Houston, TX 77098; 713-522-5625, 800-325-3587 or 713-522-8965 (fax)

cypherPad
Security and locking program, accelerated for Power Macintosh
Macintosh Plus or larger; 1 MB of RAM; System 6.0.2 or later.

cypherPad is a privacy and computer, drive and partition locking program. It uses a distinctive, fun and easy-to-use alphabetic keypad, similar to ATM/cash machine, for privately entering passwords on the computer screen. Keypad characters change randomly, with user-established change rate. Password characters are also entered from the keyboard. Features include: easy installation, just enter password; locks on shutdown or power failure; idle time and screen "hot spot" screen saver and sign off options; unique PowerBook backlight battery saver and sleep-sign off option; "attempted break-in" alert on start up; activity logs; and floppy drive control option. This program is so robust, drives can be optimized with cypherPad installed. It works on Bernoullis, Syquests and Optical drives. An exportable version is available.
$49 retail; volume pricing and site licensing available
usrEZ Software, Inc.; 18881 Von Karman, Ste. 1270; Irvine, CA 92715; 714-756-5140 or 714-756-8810 (fax)

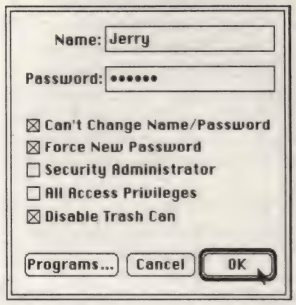
Datawatch Citadel With Shredder
Disk and file security tools
Macintosh Plus or larger; external disk drive or hard disk drive (recommended); System 6.0 or later.

Citadel is an extensive security toolbox that protects a computer from unauthorized access. With Citadel's password control and file encryption system, confidential information remains confidential. Citadel encrypts files, folders or entire hard drives with U.S. government standard DES file encryption for maximum security. Citadel includes Shredder and the Virex INIT. Shredder ensure that sensitive data that has been deleted is completely and permanently erased. Virex detects and prevents the intrusion of computer viruses.
$99.95 retail
Datawatch; Triangle Software Division; PO Box 13984; Research Triangle Park, NC 27709; 919-549-0711 or 919-549-0065 (fax)

DiskGuard
Complete hard disk security
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later.

For Macintosh users who need simple but powerful hard disk security, DiskGuard is security software that is easy to use and can be completely configured over the network. This utility offers many features: complete remote configuration; two levels of password protection (administrator and user); after-hours lock-out; lock-out screen saver featuring a shortcut and a lock corner; floppy drive protection; periodic password validity; minimum length for passwords; and more.
$149 retail
ASD Software, Inc.; 4650 Arrow Hwy., Ste. E-6; Montclair, CA 91763; 909-624-2594 or 909-624-9574 (fax)

Empower I, II And Remote 4.1
Security software; System 7 compatible
Macintosh Plus or larger; System 6.0.4 or later.



Empower I is ideal for preventing unauthorized use of PowerBooks and single-user Macs. Once installed, users must register with the correct name and password upon startup, restart and after its secured screen-saver has been invoked to gain access. Security administrators' special privileges include a unique UnLock utility to override protection on locked volumes in emergency situations. Empower I's secured screen-saver can be set to instantly or automatically blank the screen and "lock-out" the Mac while users are away from their desk. Its floppy disk/drive controls allow users to prevent unauthorized startups from system diskettes, as well as the introduction of viruses. With Version 4.1, users can now save and quickly re-install their predefined security configurations should they need to temporarily release Empower. In addition, security administrators can also create default security configurations that will automatically be installed upon installation of Empower.

Empower II offers comprehensive data security for multiuser Macs. It user name/password registration controls prevent unauthorized use, while its floppy disk/drive controls prevent unauthorized startups from system diskettes. Empower II's secured screen-saver can also be set to automatically "lock-out" the Mac while users are away from their desk to protect open documents. Multiple users and security administrators may be defined, the latter having special privileges such as the unique ability to override protection on locked volumes in emergency situations. Empower II offers flexible folder-level access controls for defining who may see and/or make changes to files and folders, as well as controls to limit which applications, Apple menu items and control panel devices may be launched on a per-user basis. With Version 4.1, users can now copy-protect files and applications, and prevent files and folders from being removed, renamed or deleted.

Empower Remote is an administration tool that simplifies the time-consuming task of managing security in Macintosh networks. Its one-of-a-kind remote controls eliminate physical visits to individual workstations by allowing security administrators to set or change security options for any central point in the network. Administrators can conveniently add or delete users, verify preferences and make any other changes to

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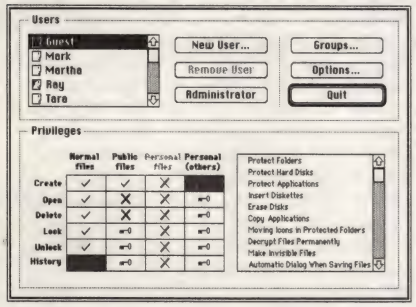
1-800-347-1923

the security configurations of "empowered" networked Macs without leaving their desks to travel over multiple floors or departments. Empower Remote also contains all of the security features found in Empower I and II to provide comprehensive protection for the Mac on which it resides.
$169 retail; Empower I
$540 retail; Empower I five user
$878 retail; Empower I 10 user
$296 retail; Empower II
$945 retail; Empower II five user
$1,539 retail; Empower II 10 user
$396 retail; Empower Remote
Volume discounts available
Magna; 1999 S. Bascom Ave., Ste. 810; Campbell, CA 95008; 408-879-7900 or 408-879-7979 (fax)
FAX©NDEMAND 1-800-872-3293 **119**

FileGuard V2.7.8
Hard disk, folder, application, screen locking, activity logging and file protection
Macintosh 512KE or larger, including Portable; System 4.2 or later.



FileGuard offers complete access management control, allowing an administrator to hand out privileges to authorized users. Hard disk protection prevents unauthorized users to set access privileges to specific folders (including the System folder), limits access and creates "write-protected" folders or "drop folders." Application protection provides copy protection on a case by case basis, as well as front-end password protection for all applications on a hard disk. File protection provides the option of encrypting files manually or automatically on the fly as they are created. Files can also be locked, personalized or made invisible at the desktop level. Opening encrypted files is easy and automatic with an optional password prompt. The document is automatically re-encrypted when a user quits. A complete activity log is kept for each encrypted file. The system usage log continuously keeps an activity record for all authorized users and/or groups. FileGuard's screen locking allows users to protect open files and sensitive information when the Macintosh is left running and unattended. Only a user's access code will unlock the screen, and the lock and log-off can be manually selected or automatically invoked after a period of idle time. An optional screen saver is available to prevent phosphor burn.
$249 retail
$795 retail; office pack five
$1,295 retail; office pack 10
ASD Software, Inc.; 4650 Arrow Hwy., Ste. E-6; Montclair, CA 91763; 909-624-2594 or 909-624-9574 (fax)
FAX©NDEMAND 1-800-872-3293 **104**

Folder Locker
Password protection for folders
Macintosh Plus or larger.

Folder Locker allows users to store secure information in normal Macintosh folders locked with a password. The contents of a locked folder can be easily accessed by double-clicking the folder while depressing a user-selected key. A user is then prompted for the password. If the correct password is supplied, the folder is unlocked and remains unlocked until explicitly relocked by a user or the machine is restarted. Folders can also be locked/unlocked from the Open... and Save... dialogs. Folder Locker provides "execute-only" applications via an option on a locked folder. This prevents theft of licensed applications on public access machines while still allowing use of the application. Folder Locker is System 6 and System 7 compatible.
$30 retail
Software Brewing Co.; 270 Apricot Ln.; Mountain View, CA 94040; 415-940-1946

FolderBolt 1.0.2
Integrated security for the Macintosh desktop
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.4 or later.

FolderBolt adds security at the desktop folder level by locking and unlocking Macintosh folders with a simple click of the mouse, ideal for shared machines or computer labs. FolderBolt allows users to customize their protection scheme with three very powerful options. Individual folders may be secured as completely locked, as read-only folders or used as password-protected drop folders. Groups of folders can be designated as a "set" that can be unlocked as a unit at startup and automatically relocked at shutdown. Users can lock the running System Folder, Trash Can and much more. Automatic internal virus checking and password preferences that define minimum length and expiration period are among FolderBolt's many extra benefits.
$129.95 retail; site licenses available
Kent Marsh Ltd.; One Kent Marsh Cir.; 3260 Sul Ross; Houston, TX 77098; 713-522-5625, 800-325-3587 or 713-522-8965 (fax)

FoolProof Security Software
Desktop security
Macintosh Plus or larger; System 6.0.4 or later.

FoolProof Desktop Security is the only security product designed for schools that secures the Macintosh without covering the desktop. It is designed for use in computer labs, classrooms, training centers and libraries. FoolProof protects the Macintosh Finder and System while allowing users normal access to the desktop. FoolProof works with the Macintosh operating system to prevent unwanted changes. Files and folders cannot be dragged or renamed. File saving is directed to floppy disks, target folders on the hard drive or mounted volumes. Control panels and the Chooser can be locked. FoolProof makes minimal demands on system resources and does not conflict with other software. FoolProof is available in 10 packs, 30 packs, site and district licenses.
$39 retail; single user
SmartStuff Software; PO Box 82284; Portland, OR 97282; 503-231-4300 or 503-231-4334 (fax)

MacPassword 4.0
Password utility program
Macintosh Plus or larger; System 6.0.4 or later.

MacPassword is a powerful password utility program designed to protect hard disk drives from use by unauthorized users. In addition, there is built-in support for protection against all known viruses, as well as screen saver functionality. Version 4.0 includes the following features: superb support for the Macintosh Portable; screen saver password protection with user-defined intervals; higher security protection similar to AppleShare access privileges; virus protection superior to that found in other tools; volume locking for protected volumes; maintenance of a log file of attempted break ins and Virus attacks; context-sensitive online help; all new manual that is designed for the novice user; user interface that improves the ease of use and adds additional functionality; sound file playback during successful startup, unsuccessful startup, shutdown and guest access; animated startup icons in color and black and white; bad logon attempt message displayed when logon fails; guests can no longer access the MacPassword Control Panel device; abnormal shutdown will not leave system unprotected under Guest access; command key equivalents for most screen functions; unique error sounds; all dialogs centered over Control Panel instead of screen; will no longer allow duplicate entries in protected list box; and co-exists nicely with most of the new INIT Managers.
$49 retail
Evergreen Software, Inc.; 15600 NE 8th St., Ste. B1126; Bellevue, WA 98008; 206-483-6576

MacSecure
Protection and productivity tool
Macintosh Plus or larger; 2 MB of RAM; System 6.0.7 or later.

MacSecure is for Macintosh users who need to eliminate others from raising havoc on their computer's hard disk or network system. More than just a security product, it is a menu system that creates a more productive environment for multiple users. Unlike installing numerous system enhancements or cumbersome security products, MacSecure is easy to implement, costs less and has more features. With MacSecure, users can increase productivity; protect hard disks; reduce training requirements; eliminate unwanted deleting of files; control access to applications and documents; prevent virus infections and illegal copying; control where a user saves documents; and keep a consistent look on all Macintosh computers.
$99.95 retail
Learning Performance Corp.; 2850 Metro Dr., Ste. 413; Minneapolis, MN 55425; 612-854-2730, 800-926-3279 or 612-854-8975 (fax)

MasterKey
Password recovery software
Macintosh Plus or larger; 1 MB of RAM; System 6.0.3 or later.

MasterKey is a program capable of recovering forgotten or unknown passwords in certain application software. It is currently available for use with Microsoft Excel, Lotus 1-2-3, Wingz and WordPerfect applications. MasterKey is simple to operate and generally provides users with password recovery in seconds. Features include: comprehensive password recovery report; capability to recover passwords from MS-DOS files; access code to prevent use by unauthorized users; various levels of analysis; technical product support line; product manual with complete instructions for installation and use; online help screens; and much more.
$79 retail
New Visions; 1131 Emily Ln.; Carrollton, TX 75007; 214-754-2524

Menu Master Mac 2.0
Desktop management and security system
Macintosh Plus or larger; System 6.0.5 or later.

Menu Master Mac is a simple and easy-to-use desktop management and security system. Each user can have customized menus limiting access to predetermined applications and files. This simple process totally protects the computer's desktop and the Finder interface — no more loss of data, resetting the control panel and chooser settings, reinstalling system software or trying to find files. A user's time on the computer and number of printouts allowed is easily controlled. An easy-to-read log tracks all user activity. Menu Master Mac provides auto installation, a built-in screen saver and virus protection software. All menus are presented with display options for color icons; multiple background colors and patterns; and selectable fonts, sizes and styles. The Finder interface is maintained for total Macintosh continuity. Menu Master Mac is System 6 and 7 compatible.
$99 retail; single user
$299 retail; Mac 15 Site License
$499 retail; Mac 25 Site License
$699 retail; Mac 50 Site License
$899 retail; Unlimited Site License
Electronic Learning Systems, Inc.; 2622 NW 43rd St., Ste. B4; Gainesville, FL 32606; 904-375-0558, 800-443-7971 (orders) or 904-375-5679 (fax)

NightWatch II
Complete security for hard disk drives
Macintosh 512K or larger; System 6.0.4 or later.

NightWatch II is complete security for Macintosh hard disks. While a user is away, it provides ironclad disk access protection. While a user is at work, its instant screen privacy feature thwarts snooping and well-intended rummaging through the desktop. It is fully networkable and provides a multitude of protection and timed-locking options, animated screen-saving images and entertaining sounds. NightWatch II offers three hard disk protection options: Diskless, Key Disk and Classic Token Disk. Diskless protection allows users to unlock their hard disk(s) using only a valid name and password at startup. Under both the Key and Classic Token Disk options, added security is

available by requiring the use of an authorized diskette to obtain access. NightWatch II also provides password screen locking instantly, at preset times or after a certain period of inactivity. With its unique signatured design, users can create master passwords, master key disks or use an administrator to override protection in the event passwords are forgotten or changed. An installation option prevents the use of data recovery tools on the disk. NightWatch II is ideal for both individual machines and site license environments.
$159.95 retail; site licenses available
Kent Marsh Ltd.; One Kent Marsh Cir.; 3260 Sul Ross; Houston, TX 77098; 713-522-5625, 800-325-3587 or 713-522-8965 (fax)

Passport 3.0
Disk security utility
Macintosh Plus or larger; System 6.0.5 or later.

Passport provides a very secure password security system to assure the privacy and security of user's data. The program protects against all attempts to gain entry, even when starting with a System floppy or holding down the Shift key. Access is permitted only through a password. Passwords can be up to 28 characters long, and Passport allows for both System administrator and user password. At shutdown or restart, the disk is locked and can only be unlocked with the correct password. After three unsuccessful attempts, an alarm is sounded. Passport maintains an audit trail file with the date, time and attempted password (if it was wrong) used. Following an unauthorized attempt. Passport alerts the user that an attempt to gain access was made. Passport also includes an integrated screen saver/screen locker that gets activated after a user-selected timeout period or immediately through a user-selected "hot-key." Moving the mouse or typing will again prompt the user for the password to gain access. Passport can also be setup to eject any floppy inserted in the protected machine, to prevent theft of programs and/or the spread of viruses from infected floppies. Passport allows for background processing. It is also ideal for PowerBook users.
$49.95 retail; single user
Site licenses available
Praxitel, Inc.; PO Box 452; Pleasanton, CA 94566; 510-846-9380 or 510-846-2681 (fax)

Safety Suite
Integrated file protection and security utilities
Macintosh Plus or larger; 1 MB of RAM; System 7.0 or later.

Safety Suite not only provides easy access to a powerful suite of utilities, it also provides a unique combination of utilities in one integrated package, including: Password Protection (provided at both the hard drive and file level), Auto Backup (automatically backs up files while computer is idle), Anti-Virus Protection (provides virus protection via John Norstad's Disinfectant), Crash Protection (protects work in progress with auto backup and keystroke recording), Disk Locker (password protects entire hard drive), Undelete (instantly recovers mistakenly-trashed files), Encryptor (secures sensitive files by encoding their contents), Screen Privacy (shields screen and sensitive files from prying eyes), Shredder (writes over specified files to prevent unwanted recovery), What Happened (provides audit trail of computer activity), Wallet (safely stores personal information), Who's There (keeps a log that monitors and notifies users of who's accessing computer over the network) and Dog Tag (uniquely identifies computer in case it is lost or stolen with an unremovable tag line on the bottom of the desktop). Safety Suite operates as unobtrusively as possible, offering flexibility and customization throughout its feature set to meet the varying workstyles and security needs of customers.
$99 retail
Claris Clear Choice; 5201 Patrick Henry Dr.; PO Box 58168; Santa Clara, CA 95052; 408-987-7000, 800-325-2747 or 415-513-0985 (fax)

SecretAgent
Encryption utility
Macintosh II family; 2 MB of RAM.

SecretAgent is a menu-driven public-key encryption utility that combines the Data Encryption Standard (DES) with the ElGamal Public-Key Cryptosystem and the N.I.S.T. Digital Signature Algorithm (DSA). It provides virtually unbreakable security for sensitive word processing documents, spreadsheets, databases, e-mail, fax transmissions and telex transmissions. Additional features include: digital signatures, message authentication, ASCII conversion, data compression and file erasure utilities. Available formats include A/UX (requires A/UX 1.1.1 or later) and MacOS.
$249.95 retail
Information Security Corp.; 1141 Lake Cook Rd., Ste. D; Deerfield, IL 60015; 708-405-0500 or 708-405-0506 (fax)

SecureInit
Security software
Macintosh 512KE or larger; System 6.0.5 or later.

SecureInit is made for the protection and automatic maintenance of Macintoshes that are used by more than one person. Features of SecureInit include: lock applications, hide System folder, lock System files, refresh System files, kill undeclared files, lock the disk(s) after use, verify applications, close all windows at startup, don't launch applications from undeclared volumes, don't copy applications to or from protected volumes, purge, erase empty folders, eject alien system disks, protect the configuration with a password and ask for a password at startup. Users may protect folders from being trashed. SecureInit includes screenlock password protection and start-up password protection, which prevents access even when the Macintosh is booted from a system diskette.
$99.95 retail
Direct Software, Inc.; 100 S. Sunrise Way, Ste. 407; Palm Springs, CA 92262; 619-778-6555 or 619-778-6557 (fax)

Security Force
Anti-theft software
Macintosh Plus or larger.

Security Force is software that protects hardware against theft. It is an INIT that installs quickly in the System folder of any Macintosh. When a user stops working for a preset number of minutes, or chooses Shut Down from the special menu, Security Force enters into protected mode. Once in protected mode, Security Force goes out and finds buddies on the network. (New buddies are dynamically assigned on the fly and can't be predicted.) The buddies let each other know specific information about themselves. This includes type of machine, serial numbers, memory size, peripherals attached, as well as the user's name, phone number, location and special notes. Once this preliminary information has been exchanged, the buddies keep an eye on each other by passing simple messages. When a user comes back to their desk, they simply touch the mouse, enter a password and go back to work. The buddies will say goodbye to each other. However, if the machine is stolen, the buddies will detect the theft and send an alarm to the guard station. The guard station is included in the purchase of Security Force and will run on any Macintosh. An audio alarm will sound at the guard station and the screen will flash up the details of the theft. Security Force can also be configured to send out a pager to a beeper.
$2,029 retail; 50 nodes
Globus Systems, Inc.; 1447 McAllister St.; San Francisco, CA 94115; 800-538-4701 or 415-292-6531 (fax)

SpyProof/Mac
Security software/encryption
Macintosh Plus or larger; 800K disk drive; System 6.0 or later.

SpyProof/Mac is an XTND filter that allows MacWrite II users to import and export sensitive documents in a DES-encrypted format. DES is the National Institute of Standards and Technology endorsed data encryption standard. DES has been widely used to protect sensitive documents by the federal government and banking community. SpyProof/Mac will also support any product containing the Claris XTND technology, such as MacDraw Pro, Claris CAD, etc.
$99 retail; single unit
Information Security Corp.; 1141 Lake Cook Rd., Ste. D; Deerfield, IL 60015; 708-405-0500 or 708-405-0506 (fax)

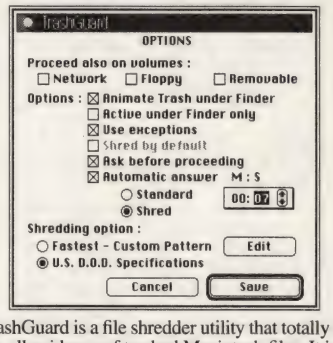
Symantec AntiVirus For Macintosh (SAM) V3.0
Virus protection, detection and elimination
Macintosh 512KE or larger; System 6.0 or later; Finder 6.1 or later.

Symantec AntiVirus For Macintosh (SAM) is a virus protection, detection and repair program. It does more than stop every single Macintosh virus known today; it also seeks out anything even resembling virus-like behavior and stops it cold before it has a chance to corrupt data. It works against the common known viruses, such as nVir, Scores and ANTI, but also detects irregularities that occur on a system on the chance that they might be some unknown viral infection at work. Key features include: detection methods spot viruses before they have a chance to infect a system; the capability to scan any file, folder or volume at any time to determine if a virus is present; if a virus is detected, SAM makes it easy for a user to delete the file or repair it; optionally scans user-specified volumes and folders at system startup and shutdown; the option to automatically scan every floppy disk when it is inserted into the Macintosh; a wide range of options that let a user control the way the program operates; works on most networks just as it works on a dedicated machine; and more.
$99 retail
Symantec Corp.; 10201 Torre Ave.; Cupertino, CA 95014; 800-441-7234 or 800-626-8847 in CA

TIPEM
Toolkit for interoperable privacy-enhanced messaging
Macintosh Plus or larger.

TIPEM, RSA's Toolkit for Interoperable Privacy-Enhanced Messaging, allows programmers to develop secure, interoperable applications using today's best encryption and digital signature technology. TIPEM is designed for fast development of electronic mail, electronic forms or TCP/IP messaging applications that conform to PKCS, Internet PEM and X.400 '88 standards. TIPEM gives developers access to several useful crypto algorithms and constructs, such as RSA Digital Envelopes, DES or RC2 bulk encryption, and RSA Digital Signatures.
$290 retail; single user
$950 retail; 10 users
$3,000 retail; 100 users
Call for products to be marketed and distributed using RSA Developer's Toolkits
RSA Data Security, Inc.; 100 Marine Pkwy., Ste. 500; Redwood City, CA 94065; 415-595-8782 or 415-595-1873 (fax)

TrashGuard
File shredder utility
Macintosh Plus or larger; System 6.0.4 or later.



TrashGuard is a file shredder utility that totally obliterates all evidence of trashed Macintosh files. It is not System 7.0 dependent. TrashGuard further distinguishes itself with its "Intelligent Exceptions" feature. TrashGuard keeps confidential files from getting into the wrong hands. Once installed in the System folder, it can definitively destroy (shred) any file that a user puts in and empties from the Trash. When U.S. Department of Defense (DOD) specifications are selected, TrashGuard makes the three required passes over the "shredded" file — making recovery of any data impossible. Once the TrashGuard Control Panel has been set to administer general Trash controls, users can "train" TrashGuard to discriminate between the shredding of confidential files and the normal trashing of other files. For instance, all spreadsheet documents are shredded, all others are disposed of normally.
$79 retail; single user

These Products Available Through Bottom Line Distribution
1-800-347-1923

$239 retail; five pack
$399 retail; 10 pack
ASD Software, Inc.; 4650 Arrow Hwy., Ste. E-6; Montclair, CA 91763; 909-624-2594 or 909-624-9574 (fax)
FAX©NDEMAND 1-800-872-3293 **105**

ultraSecure
Security software system; accelerated for Power Macintosh
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.2 or later.

ultraSecure is easy-to-use, fast, reliable and genuinely secure access management software. It provides four levels of protection for drives, applications, files and folders, including the System folder. It provides protection from access, modification, copying and deletion. The password is entered only once — at log on. It provides fast DES, double DES and proprietary encryption methods that are up to 200 times faster than other products. ultraSecure features guest access options; erasing/shredding to U.S. Government standards; anti-virus; idle time and screen "hot spot" screen saver and log off; idle time shut down/lock out; warning banner start-up window; activity logs include printer; unique PowerBook backlight battery saver, sleep-log off options; and is most compliant with Class C2 (DOD 5200.28-STD) for non-classified government use. Warning banner meets ASSIST bulletin 93-17.
$239 retail
usrEZ Software, Inc.; 18881 Von Karman, Ste. 1270; Irvine, CA 92715; 714-756-5140 or 714-756-8810 (fax)

ultraSecure With ultraCommand
Security software system; accelerated for Power Macintosh
Macintosh Plus or larger; 1 MB of RAM; System 6.0.2 or later.

ultraSecure with ultraCommand provides centralized administration of all networked Macintoshes protected with ultraSecure. Administrators view, change, retrieve and export security settings, features/options, audit/activity logs and failed-access/tamper logs. Security settings include user names, passwords and users/folder privileges. Administrators can also view, retrieve and export system configurations, including computer type, RAM amount, system software version and the name and version number of all applications, control panels and system extensions. Administrators can remotely update ultraSecure and all third-party software. Update commands can be scheduled for any time and targeted for individual Macintosh, Macintosh model(s), zone(s) or other group(s). It provides four levels of protection and all of the high-speed, easy-to-use features of ultraSecure.
$479 retail; volume pricing and site licensing available
usrEZ Software, Inc.; 18881 Von Karman, Ste. 1270; Irvine, CA 92715; 714-756-5140 or 714-756-8810 (fax)

ultraShield
Security software system; accelerated for Power Macintosh
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.2 or later.

ultraShield is an easy-to-use password access control, privacy system that reliably prevents tampering with PowerBook/Macintosh operation in the office, home and while traveling. It uses ultraSecure reliability and security technologies. It provides three levels of protection for drives, applications, files and folders, including the System Folder; and protection from access, modification, deletion and copying. It uses the fastest proprietary and DES encryption methods that are up to 200 times faster than other products. The password is entered only once — at log on. It features erasing/shredding to U.S. Government standards; anti-virus capability; idle time and screen "hot spots" screen saver and log off; idle time system shut down/lock out; warning banner start-up window; and extensive, exportable activity and tamper-attempt logs and unique PowerBook backlight battery saver and sleep-log off options. Exportable version is available.
$149 retail
usrEZ Software, Inc.; 18881 Von Karman, Ste. 1270; Irvine, CA 92715; 714-756-5140 or 714-756-8810 (fax)

ultraShield With ultraCommand
Security software system; accelerated for Power Macintosh
Macintosh Plus or larger; 1 MB of RAM; System 6.0.2 or later.

ultraShield with ultraCommand provides centralized administration of all networked Macintoshes protected with ultraShield. Administrators view, change, retrieve and export security settings, features/options, audit/activity logs and failed-access/tamper logs. Security settings include user names, passwords and users/folder privileges. Administrators can also view, retrieve and export system configurations, including computer type, RAM amount, system software version and the name and version number of all applications, control panels and system extensions. Administrators can remotely update ultraShield and all third-party software. Update commands can be scheduled for any time and targeted for individual Macintosh, Macintosh model(s), zone(s) or other group(s). It provides three levels of protection and all of the high-speed, easy-to-use features of ultraShield.
$389 retail; volume pricing and site licensing available
usrEZ Software, Inc.; 18881 Von Karman, Ste. 1270; Irvine, CA 92715; 714-756-5140 or 714-756-8810 (fax)

Virex 5.0
Comprehensive anti-virus software: prevention, detection and treatment
Macintosh Plus or larger; System 6.0.5 or later.

Virex with breakthrough SpeedScan technology, provides fast and easy virus protection. SpeedScan is a patent-pending speed enhancement technology that enables Virex to scan for viruses in a fraction of the time it takes others. SpeedScan is incorporated into both the Virex application and the Virex INIT. As a result, all aspects of virus protection are substantially faster, including virus scanning, launch scanning, diskette scans and startup scans. Virex is a comprehensive solution that detects and repairs viruses, and protects against every known virus and unknown viruses as well. The Virex INIT protects the computer from infection by automatically screening every file and diskette that is used. As new viruses are discovered, Datawatch publishes virus codes that allow instant updating. Virus codes are available through the telephone Help Hotline, the DataGate bulletin board and online services. Updates are also available on diskette individually, or as part of the one-year Virex Protection Service.
$99.95 retail
$699 retail; 10-PAK, license for 10 Macintoshes (site licensing available)
Datawatch; Triangle Software Division; PO Box 13984; Research Triangle Park, NC 27709; 919-549-0711 or 919-549-0065 (fax)

■ **Virex Administrator**
Anti-virus for networks
Macintosh Plus or larger; System 6.0.5 or later.

Virex Administrator is an anti-virus solution for Macintosh networks. With individual copies of Virex installed on networked Macintoshes and Virex Administrator installed on the network manager's Macintosh, users can initiate virus scans across the entire network, in real time or on a schedule; remotely install and update Virex; be immediately alerted to virus attacks anywhere on the network; repair viruses remotely; and maintain an audit trail of all scans, updates, virus detections and virus repairs. Virex Administrator delivers ultimate security with unprecedented ease by giving the network manager an unprecedented level of control and the tools needed to maintain a virus-free site. It also saves time and money by eliminating the manual installation and updating process each time Virex is updated to combat new viruses.
Call for pricing
Datawatch; Triangle Software Division; PO Box 13984; Research Triangle Park, NC 27709; 919-549-0711 or 919-549-0065 (fax)

Utilities/Other

■ **"MacWrite" Launches MacWrite II**
MacWrite II is launched instead of MacWrite
Macintosh Plus or larger; MacWrite II; System 7.0 or later.

This application is a MacWrite replacement to be used if MacWrite does not perform up to users' expectations. This replacement program simply launches MacWrite II. Users double-click on a MacWrite document and MacWrite II is launched; users then open the MacWrite file they wish to read from MacWrite II. It keeps MacWrite from being inadvertantly launched while keeping MacWrite file icons intact on the desktop even though the original MacWrite application has been replaced. It is Power Macintosh compatible.
$1 retail
Esoteric Software; PO Box 744; Falls Church, VA 22040; 703-532-6981 or 800-217-5051 (orders)

1stPort-II
File conversion program
Macintosh Plus or larger; 1 MB of RAM.

1stPort-II is a datafile and spreadsheet reformatter used to convert and reformat almost any datafile from almost any source, formatted or unformatted: mainframes, minis, PCs, Macintoshes, bar codes, electronic scales, data acquisition devices, etc. 1stPort-II contains the unique "movable column boundary screen" that can create or change field boundaries in formatted or unformatted file structure. Conversions supported include DIF, SYLK, Flat, tab-delimited, comma delimited, 1stDESK and user-defined custom formats. Field renaming and definition of type and length make unique use of the Macintosh's graphics capability. 1stPort-II also contains MacroAccess to automate commands defined by users as icons at the Finder and linked together to trigger repetitive steps. 1stPort-II is System 6 and 7 compatible.
$79 retail
1stDESK Systems, Inc.; 55-57 Cape Rd.; Mendon, MA 01756; 800-522-2286 or 508-634-0882 (fax)

7th Heaven Utilities 2.5
Performance and color applications that enhance System 7
Macintosh SE/30 or larger; hard disk drive; color recommended; System 7.

The 7th Heaven Utilities are a collection of seven performance and color applications that enhance or expand System 7. FinderExpress speeds up Finder file copy operations by as much as 340 percent. FileMapper changes the system file map to allow orphaned files to launch any application. RedAlert installs color icons in place of the default black and white Stop, Caution and Message Alerts. Chameleon is a desktop background enhancement that permits users to import custom desktop backgrounds or install one of the more than 200 included patterns. Informant reports all aspects of system software and computer hardware. Calendar is a desktop calendar with graphics. VectorPlasma is a background task aware screen saver.
$79.95 retail
Logical Solutions, Inc.; 2124 University Ave., Ste. 102; St. Paul, MN 55114; 612-659-2495 or 612-659-2498 (fax)

Adobe Type Reunion
PostScript font utility
Macintosh Plus or larger, including Portable.

Adobe Type Reunion is an easy-to-use utility for PostScript fonts. It alphabetizes a user's menu and groups families so that different styles of the same typeface appear together in a submenu under the same family name. Adobe Type Reunion reduces the length of a typical font menu by 75 to 80 percent, and provides

instant accessibility to every font available on a user's Macintosh.
$65 retail
Adobe Systems, Inc.; 1585 Charleston Rd.; PO Box 7900; Mountain View, CA 94039; 415-961-4400, 800-833-6687 or 415-961-3769 (fax)

■ After Dark 3.0
Screen saver
Macintosh II or larger; 4 MB of RAM; System 6.0.7 or later; color or gray-scale monitor.
After Dark is a comprehensive screen saver. Users can choose from more than 30 dazzling screen-saver displays. They can watch Bad Dog trash their desktop or try their luck at the track with Rat Race; swim with a brand new school of Fish or test their trivia knowledge in "You Bet Your Head"; or soar with the majestic new Flying Toasters and sing along to their anthem with the new Karaoke feature. After Dark includes EcoLogic, an energy-saving feature that automatically shuts down the Energy Star monitor, saving energy and money, too.
$49.99 retail
Berkeley Systems, Inc.; 2095 Rose St.; Berkeley, CA 94709; 510-540-5535, 800-877-5535 or 510-540-5115 (fax)

■ Allright Enhancements
System enhancements
Macintosh Plus or larger; System 7.0 or later.
Allright is a collection of nine system enhancements in one smartly integrated package. Balloons gives users instant access to Balloon Help where and when they need it. Copies allows users to copy files and folders in the background while they continue working. It also provides scheduling and filtering capabilities that make it an easy-to-use backup program. Directories gives users the ability to quickly find and open the files they use most. Extensions helps manage System extensions. Keys provides a simple way to automate repetitive tasks. Menus allows users to customize their Apple menu and to change the fonts and sizes of menu titles and menu items. Notes is a digital version of the familiar sticky notes. Printers provides easy access to printers without opening the Chooser. Sounds allows users to assign meaningful sound to different events.
$129 retail
MSA; 6565 Penn Ave. at Fifth; Pittsburgh, PA 15206; 412-471-7170, 800-366-4622 or 412-471-7173 (fax)

Animals
Cache memory management system
Macintosh Quadra.
Animals is a cache memory management system for users of Macintosh Quadra 700, 900 and 950 computers. At the heart of the Quadra series is the 68040 CPU from Motorola. Many third-party applications, shareware, desk accessories and INITs will not run on the Quadra (or other 68040-based platforms) with the caches enabled. To run these applications, users manually disable the cache in the control panel and re-boot. Animals transparently manages the Quadra cache in the background. No re-booting is necessary as Animals automatically matches compatible cache modes with applications, minimizing user interruptions. Animals provides three caching options: Copyback ('040 optimized), Writethrough ('030 optimized) and None.
$49.95 retail
Spectra Systems Corp.; 2001 Westside Pkwy., Ste. 125; Alpharetta, GA 30201; 404-410-7803 or 404-410-7815 (fax)

Anubis CD
Universal CD driver software
Macintosh Plus or larger.
Anubis CD software supports most CD-ROM mechanisms compatible with the Macintosh. The software is installed in the System folder and the CD functions similar to a floppy as it auto-mounts upon insertion. It is Photo CD multisession compatible and comes complete with a user's choice of four audio desk accessories for audio CDs. Anubis CD supports Apple's new SCSI Manager 4.3 and is Power Macintosh compatible.
$49 retail; OEM licensing available
CharisMac Engineering, Inc.; 66 "D" P&S Ln.; Newcastle, CA 95658; 916-885-4420, 800-487-4420 or 916-885-1410 (fax)

Apple Personal Diagnostics
Comprehensive and easy-to-use diagnostic software
Macintosh Plus or larger; 2 MB of RAM; hard disk drive and floppy disk drive; System 6.0.7 or later.
Apple Personal Diagnostics allows Macintosh users to test their system hardware and software to keep their computer working trouble-free. It is designed to reduce system downtime, minimize support calls, offer trouble-shooting tips and help users identify the source of problems. The software combines hardware testing and system software checking in one easy-to-use package, giving users a wealth of information about their computers with a click of the mouse.
Call for printing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

At Ease
Alternative to the standard Finder desktop; strengthens Macintosh appeal for home and education
Macintosh Classic or larger; 2 MB of RAM (4 MB recommended); System 7.0 or later.
At Ease is software that makes it easier for users of Macintosh personal computers to share them with children, students and novice users. An extension to the System 7 operating software, At Ease simplifies the tasks of launching applications and opening files, while providing simple protection for system settings, files and folders. An alternative to the standard Finder desktop, At Ease comprises a Documents folder and an Applications folder. Both folders feature large, single-click buttons that make it easier to launch applications and open documents. All documents created by a user are automatically displayed in the Documents folder, regardless of where they are stored. The primary user of the computer indicates during setup which applications and system controls will be displayed in the Applications folder. While At Ease is running, a user cannot move, rename or delete documents or applications. At Ease includes Mouse Practice, an application that teaches novices how to use a mouse; a quick reference card; and setup documentation.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Atticus RAMDiskSaver
Allows users to shut down their computer while keeping their RAM disk completely intact
Macintosh Plus or larger; System 7.0 or later.
Atticus RAMDiskSaver allows users to shut down their computer while keeping their RAM disk completely intact. Once users start their computer up again, their RAM disk will appear exactly as they left it. In essence, the RAM disk acts just like a hard drive. Atticus RAMDiskSaver has other features, including background operation, the ability to perform automatic backups of the RAM disk at periodic intervals, control panel interface, file synchronization between files located on the RAM disk and the hard drive files, the option of making the RAM disk the start-up volume, the ability to restore the RAM disk anytime and more.
$69.95 retail
Atticus Software Corp.; 456 Glenbrook Rd.; Stamford, CT 06906; 203-348-6100 or 203-964-8271 (fax)

Atticus Vista
Quickly search all disks, regardless of where they are
Macintosh Plus or larger; System 7.0 or later.
Atticus Vista expands users' desktops by allowing them to keep a copy of the directories found on their diskettes, CDs, cartridges, flopticals and more within a single folder. Whenever a disk is inserted, Atticus Vista automatically scans and records an identical copy of the disk's desktop. Even after the disk is removed, users have the ability to search through their disk's directory, just as if it were still in their computer. Users can even launch files from their Vista. Atticus Vista has other features, including background operation, complete control over scanning, compressed directory storage, label printing of disk's contents, control panel and application interface, the ability to scan for hidden files, aliases and compressed files, manual addition of volumes to the Vista and more.
$69.95 retail
Atticus Software Corp.; 456 Glenbrook Rd.; Stamford, CT 06906; 203-348-6100 or 203-964-8271 (fax)

AudioClips — Personal Multimedia Utilities
Allows users to play their favorite sounds from movies and television shows as they work
Macintosh Plus or larger.
AudioClips feature actual dialog, sound effects and music cues from classic and contemporary TV shows and films. Enclosed is a user-friendly utility that allows users to assign the clips to system events, such as startup, shutdown, disk insert, various keystrokes and much more. The sounds can also be used with popular multimedia applications for private use. Seven volumes include The Logical Collection & The Final Frontier (original Star Trek); Encounter At Farpoint, The Best of Both Worlds & Virtual Data (Star Trek: The Next Generation); Star Wars; and 2001: A Space Odyssey. Coming soon: Terminator 2 and The Empire Strikes Back and Return of the Jedi.
$59.95 each retail
Sound Source Unlimited, Inc.; 2985 E. Hillcrest Dr., Ste. A; Westlake Village, CA 91362; 805-494-9996 or 805-495-0016 (fax)

AutoSave II V2.0
Saves work in progress using a preset time interval
Macintosh 512KE or larger.
AutoSave II is an INIT that automatically saves work in progress using a preset time interval. The save interval may be set from one to 999 minutes. Individual applications can have their own AutoSave commands (time intervals, save command keys, etc.). Programs that don't need a save command can have AutoSaves excluded from them. If users are not certain that they want to save their changes, AutoSave can periodically ask if they want their work saved. Or, AutoSave can be easily turned off or "put to sleep" until the next time users boot. AutoSave II is System 7 compatible.
$49.95 retail
Magic Software, Inc.; 12138 Del Verde; Yuma, AZ 85367; 602-342-7496 or 602-342-7496 (fax)

Avery MacLabelPro Software
Label-printing program
Macintosh Plus or larger.
MacLabelPro Software features layouts for Avery Laser Labels, Cards and Index products, Dot Matrix Labels and Card products. It includes drawing tools and graphics sizing, built-in clip art and easy mail merge of popular file formats. It is compatible with laser and HP DeskWriter ink jet printers.
Call for pricing
Avery Division; 20955 Pathfinder Rd.; Diamond Bar, CA 91765; 909-869-7711 or 800-832-8379

Bar Code Pro
Application that creates EPS or PICT graphics
Macintosh Plus or larger; 1 MB of RAM; printer.
Bar Code Pro makes bar codes as PICT or EPS graphic files (it does not use or require fonts) in any of the 16 major international bar code symbologies worldwide — UPC versions A&E, Postnet/FIM. Code 39, Code 128, Codabar, ITF/ITF-14/Code 25. EANISBN/ISSN, MSI/PLessey and Pharmacode. Full control over image aspects including size, rotation, color, Bar Width Reduction, image scaling to printer's resolution and more is allowed. Cut down versions "speaking" only one or two of the above symbologies are available for a reduced price. Images are saved to disk and printed from any other application that will accept graphics and print. It is also available as an Aldus Addition to PageMaker and in a Quark XTension version for use directly inside of QuarkXPress. It is System 7 or 7.1 and Power Macintosh compatible.
$450 retail; for all 16 codes
$299.95 retail; per group/code
$199 retail; Quark XTension version
Synex; 692 10th St.; Brooklyn, NY 11215; 718-499-6293, 800-447-9639 or 718-768-3997 (fax)

Bliss Saver
Screen saver
Macintosh Plus or larger; 256 colors (8-bit) video recommended.
Bliss Saver is a screen saver that prevents screen burn-in. It displays abstract animated paintings with colors that melt and flow using real-time color syntheses. More than 130 paintings are included, and more paintings can be created with the companion product Bliss Paint. With the keyboard, users can control the innovative color synthesizer to create their

These Products Available Through Bottom Line Distribution
1-800-347-1923

own sequences of dynamic, flowing color. Sound input and MIDI may be used to control Bliss Saver. Options include Delay Time and Activate and Don't Activate Corners. Password protection is available to keep out unwanted users. The animated paintings are stored in an extremely compact format and total disk space used is about 600K. Pictures may be saved as PICT files for slide shows and touch-up in other applications.
$50 retail
Imaja; PO Box 6386; Albany, CA 94706;
510-526-4621, 800-294-6252 or 510-559-9571 (fax)

Bloopers
A dozen goofs, gags and practical jokes for the Macintosh
Macintosh Plus or larger; System 7.0 or later.
Bloopers is a dozen goofs, gags and practical jokes for the Macintosh. Included are: Typewriter (Macintosh makes typewriter-click sounds when keys are pushed); Farm Animals (chickens, horses, pigs, cows, etc., periodically pop out from behind windows, moo, neigh, oink, etc., and then vanish; Watcher (eyeballs in the menu bar track the motion of the cursor); Cuckoo Clock (digital clock in the menu bar that turns into an animated cuckoo and chimes on the hour); Drip (Macintosh drips continuously); Funny Message (a dialog pops up at a specified time with a funny message); Ghost Writer (causes funny messages to magically appear in a word processing document); Mistype (the character typed is never the character seen); Wandering Mouse (cursor drifts around when not moved); Molasses (slows the Macintosh to a crawl); Time Warp (makes clock run faster or slower than usual); and more.
$25 retail
Binary Software; 2210 Wilshire Blvd., Ste. 900; Santa Monica, CA 90403; 310-449-1481 or
310-449-1473 (fax)

The Blue Parrot
Laser printer queue software for smooth, efficient management of printer output
Any Macintosh; print spooler.
In a network environment using a shared laser printer, users often collide when sending documents to be printed. When two or more users send manual-feed documents to a printer, they have no way of knowing in what order their documents will be printed because they have no information as to queue output order. Using the Blue Parrot eliminates this common bottleneck on an AppleTalk network. The Blue Parrot is a control panel device that displays a list of documents queued to a specified printer. The Blue Parrot provides the Owner (User) Name, Document Name, Number of Copies, Number of Pages and Type of Feed (manual or paper tray). Users can see the queue order of jobs waiting to be printed on a particular laser printer. Users can cycle through all the printers in a zone to find the least-busy one.
$149.95 retail; five-user license
Casa Blanca Works, Inc.; 148 Bon Air Center;
Greenbrae, CA 94904; 415-461-2227 or
415-461-2249 (fax)

Calc+
Professional calculator with decimal and DTP features
Any Macintosh; System 6.0 or later.
Calc+ is a next generation calculator for the Macintosh, with powerful decimal and desktop publishing functions. It is fast, easy to use and has all the features of a professional desktop calculator: multiline resizable display, paper tape, fast operation from the Macintosh's numeric keypad or regular keyboard and more. Calc+ is really two calculators in one, because it can also perform desktop publishing calculations in inches, centimeters, picas and ciceros, plus instant conversions between any of these units. Calc+ is a major upgrade to the standard Macintosh calculator, and is ideal for spreadsheet users and desktop publishers. Calc+ is System 7 compatible.
$79 retail
Abbott Systems, Inc.; 62 Mountain Rd.; Pleasantville, NY 10570; 914-747-4171, 800-552-9157 or
914-747-9115 (fax)

CalcuPad
Flexible calculation pad
Macintosh Plus or larger; System 6.0.4 or later.
CalcuPad is a calculation pad that supersedes conventional calculators by using the metaphor of a note pad designed for computations. With CalcuPad, users will be able to save time by setting up calculations with variables and comments so that they can document and reuse their calculations. If users would like to alter the appearance of their calculations, they can customize the symbols any way they want, or they can even use the C programming language conventions. CalcuPad features 63 functions and operations, saving calculations as text files and back tracing through the calculations to find errors. It includes a 15-page manual.
$29.95 retail
Tuesday Software; 215 Via Sevilla; Santa Barbara, CA 93109; 805-962-7889, 800-945-7889 (orders) or
805-564-8955 (fax)

CanOpener 2.5
Information search and retrieval
Any Macintosh; System 6.0 or later.
CanOpener allows users to open almost any Macintosh file, search the contents for text, pictures and sounds, then copy and paste anything they need. It is ideal for reading those pesky documents the Macintosh can't open or retrieving information from damaged files. CanOpener will also search disks, hard drives and networks to locate missing information, and now supports QuickTime movies. It comes as both a desk accessory and application. CanOpener is System 7 compatible.
$125 retail
Abbott Systems, Inc.; 62 Mountain Rd.; Pleasantville, NY 10570; 914-747-4171, 800-552-9157 or
914-747-9115 (fax)

Capture 4.0
Professional screen capture
Macintosh Plus or larger; System 6.0 or later.
Capture is a screen capture utility that allows a user to select an area of a Macintosh screen and save the picture either to the Clipboard/Scrapbook or to a PICT, TIFF 5.0 (compressed), TIFF 4.0 or MacPaint file. It works on a selection of the screen, the full screen or multiple screens. The snapshot can include pulled-down menus and dialogs. Capture is System 7 compatible, and full color/gray-scale information is preserved in snapshots.
$129.95 retail
Mainstay; 591-A Constitution Ave.; Camarillo, CA 93012; 805-484-9400 or 805-484-9428 (fax)

■ CD AutoCache
Caches both directory and data information from CDs
Macintosh Plus or larger; 2 MB of RAM; System 6.0 or later.
CD AutoCache is an advanced CD-ROM acceleration/caching software program. CD AutoCache automatically caches both directory and data information from CDs, speeding seeks, searches, opening of files and overall data throughput. CD AutoCache has a proprietary new artificial intelligence algorithm built in that automatically optimizes both the total cache and cache page sizes, depending on how a CD has been mastered, leaving the CD-ROM drive running at its optimum level at all times. CD AutoCache includes a suite of performance tests that let users evaluate speed increases found using CD AutoCache's different routines. CD AutoCache supports virtually all CD-ROM drives on the market and is Photo CD compatible. CD AutoCache comes complete with an audio desk accessory that allows users to name and save individual CD-ROM titles and tracks to hard disk. The audio DA also allows users to create a custom playlist of their favorite songs. CD AutoCache lets users capture digital audio to their hard disk, and is Power Macintosh compatible.
$79.95 retail
CharisMac Engineering, Inc.; 66 "D" P&S Ln.;
Newcastle, CA 95658; 916-885-4420, 800-487-4420 or 916-885-1410 (fax)

CD Mounter Plus
Sony and Toshiba CD-ROM solution for the Macintosh
Macintosh Plus or larger; 1 MB of RAM.
CD Mounter Plus is a CD-ROM utility that supports Sony and Toshiba CD-ROM drives. Features include: conforms to Apple CD-ROM specifications; is HyperCard and multimedia capable; System 6 and 7 compatible; the Audio CD Remote allows users to play audio CDs; desk accessory format provides convenient access to a CD-ROM player; expandable track window allows users to name audio tracks; easy-to-use installer makes set-up quick and simple; and handles HFS, ISO/9660 and High Sierra CD-ROMs. It supports multi-session Photo CD.
$49 retail
Software Architects, Inc.; 19102 N. Creek Pkwy., Ste. 101; Bothell, WA 98011; 206-487-0122 or
206-487-0467 (fax)

CD-Gen for Mac
Premastering Software
Macintosh II or larger; 1 MB of RAM; System 7.0 or later.
CD-Gen for Mac's simple-to-use interface means that in-house CD-ROM production just became a lot easier. CD-Gen for Mac is available for use with Philips CDD521, Kodak PCD-200, Plasmon RF-4000 and Ricoh RS-9200 CD Recordable drives. CD-Gen for Mac supports both ISO 9960 and Hierarchical File System (HFS) CD-ROM file standards. While the ISO 9660 file format is suited for cross-platform CD-ROMs, CD-Gen for Mac allows users to violate ISO file name rules to build an application more appropriate for the Mac environment. Multimedia developers will like CD-Gen for Mac's ability to create a mixed-mode disc, which contains any file structure on the first track and CD-quality audio in the remaining tracks. CD-Gen for Mac's unique dual-speed feature accommodates most Mac CPUs because users can write to a CD-R at single or double speed depending on system throughput.
$1,795 retail
CD-ROM Strategies, Inc.; 6 Venture, Ste. 208; Irvine, CA 92718; 714-453-1702 or 714-453-1311 (fax)

CD-ROM ToolKit 1.1
Increases CD-ROM performance, adds Photo CD support and provides a sophisticated audio playback DA
Macintosh Plus or larger.
The CD-ROM ToolKit is a software utility that can increase CD-ROM drive performance by up to 1,800 percent. It supports Kodak's Photo CD and comes with a Desk Accessory that allows users to control audio CD functions. CD-ROM ToolKit works in the background to make CD-ROM drives perform faster and more reliably. By caching and prefetching repeatedly used information to the Macintosh's hard drive and RAM, CD-ROM ToolKit allows searches to take place almost instantaneously, dramatically improving drive productivity. CD-ROM ToolKit's robust device driver allows almost every CD-ROM drive to read single session Photo CD discs. FWB's software also provides complete support for Apple HFS, High Sierra, ISO 9660, ProDOS and MS-DOS discs. CD-ROM ToolKit includes "custom-tuned" support for all popular drives from Toshiba, Sony, Chinon, Pioneer, Apple, NEC and Phillips, plus multispeed, multisession and multiplatter devices. CD-ROM ToolKit's convenient Desk Accessory allows any drive equipped with audio output jacks to play audio CDs with complete playback control, including advanced features, such as fast forward, shuffle and programmable playback order.
$79 retail
FWB, Inc.; 2040 Polk St., Ste. 215; San Francisco, CA 94109; 415-474-8055 or 415-775-2125 (fax)

Chameleon 2.1.3
Desktop pattern enhancement utility
Macintosh SE/30 or larger; hard disk drive; color recommended; System 7.0 or later.
Chameleon includes all the tools users will need to create and display beautiful color, gray-scale or black and white desktop patterns quickly and easily. The entire ArtBeats Marble & Granite collection and more than 100 other patterns are included. The powerful pattern editor includes a broad set of drawing tools to make creating new patterns fun and easy. PICTs from the Clipboard may be pasted in directly for fast pattern

creation. Full import and export capability allows users to easily share patterns with others. It includes "PPAT Tool" screen capture software.
$59.95 retail
Logical Solutions, Inc.; 2124 University Ave., Ste. 102; St. Paul, MN 55114; 612-659-2495 or 612-659-2498 (fax)

ClickChange 2.1 And ClickTrax 2.0
Lets users personalize the look and feel of their Macintoshes
Macintosh Plus or larger; System 6.0.7 or later.
ClickChange is an INIT/Control Panel device that allows users to tailor the appearance of their Macintosh. Custom color schemes accompany a user's choice of button, window, background patterns, menu icons and scrollbar styles. Drab old cursors are replaced with exciting, animated, color alternatives. The Macintosh responds with exotic sounds when and where a user chooses.
ClickTrax includes more than 4 MB of hilarious celebrity impersonation sound clips. Hollywood funnyman Steve Kaminski has adapted his stand-up comedy routine to the Macintosh environment. Steve's "King" croons as the Macintosh restarts, President Reagan tries to recall the time and Groucho insults a user's every beep. All of Steve's original send-ups are high-quality recordings, mixed with lots of realistic special effects.
$89.95 retail; ClickChange
$49.95 retail; ClickTrax
$119.95 retail; ClickChange/ClickTrax Bundle
Dubl-Click Software, Inc.; 20310 Empire Ave., Ste. A102; Bend, OR 97702; 503-317-0355 or 503-317-0430 (fax)

ClickPaste 2.1
Intelligent Scrapbook
Macintosh Plus or larger; System 6.0 or later.
ClickPaste provides a simple, convenient way to store and retrieve frequently used text, graphics and other objects. With a key press and a click of the mouse, ClickPaste can save almost anything, including text, any type of graphics and HyperCard buttons and scripts. ClickPaste stores these objects in files and folders that can be reorganized through the Finder. To paste a saved object, users perform the same simple command they did to paste to ClickPaste, and then choose their object from the pop-up hierarchical menu that appears and displays it in a balloon view. ClickPaste can be used anytime, anywhere and in any application.
$99.95 retail
Mainstay; 591-A Constitution Ave.; Camarillo, CA 93012; 805-484-9400 or 805-484-9428 (fax)

CloneMaster
Disk duplicator/serializer
Macintosh Plus or larger; System 6.0.5 or later.
CloneMaster, a diskette duplication program on steroids, allows developers to automatically assign unique serial numbers to applications as they are being duplicated, as well as selectively serializing all of the applications on a diskette to the same serial number. CloneMaster also maintains duplication and serialization information for future duplication sessions. The program is capable of storing the serial information for any number of master diskettes and allows users to export a text file of the next serial numbers to be used. This file can then be used to print labels for attachment to diskettes or to the exterior of software packages and registration cards. An online help facility is included with the application. Help screens show the use of each CloneMaster control with a brief explanation where appropriate. For compatibility, CloneMaster reads DiskCopy image files and reads and saves image files in its own proprietary format, providing developers with a method of quickly preparing duplication sessions. Though it is virtually impossible for someone to successfully tamper with the serialization resources attached to an application by CloneMaster, the program's method of incrementing serial numbers provides the developer with an opportunity to further validate an application's serial number if needed. Developers can test the serial string to determine if anyone has attempted to tamper with the serial number.
$129 retail
Famous Engineer Brand Software; 4855 Finlay St.; Richmond, VA 23231; 804-222-2215 or 804-226-1934 (fax)

Color Convert
Low-end color printing solution
Macintosh II.
Color Convert provides Macintosh II users with the capability to print color images on an ImageWriter II using a four-color ribbon. The graphic may be 8- or 24-bit color, which becomes converted to the basic 8 color model, which is supported by several low-cost printers. Color Convert will read and print PICT files, or can print graphics images directly off the screen while in MultiFinder. Converted images are saved as PICT documents and may be imported into other desktop publishing software.
$55 retail
BugByte Inc.; 3650 SilverSide Rd.; Wilmington, DE 19810; 302-994-1502 or 800-284-9220

■ **ColorQuartet ScanFlow Server**
Multidrum scanner server
Macintosh II or larger; 2 MB of RAM; System 7.0 or later; ColorQuartet 3.0.
ScanFlow Server is a ColorQuartet option designed to support a high-throughput, multidrum scanning environment. With ScanFlow Server software, the ScanMate 5000 scanner is kept in continuous operation. Multiple drums can be mounted and previewed. Previews are stored by each drum's bar-code ID. In a single station setup, the user calls up one preview, crops and sets scanning parameters and sends the job to the scanning queue. While the first scanning job is underway in the background, the user then retrieves a second preview and repeats the setup steps. In a multistation environment, the previews can be accessed by any computer on the network, allowing additional operators to work on the files. ScanFlow Server software even allows users to interrupt the scanning queue, make a scan from another drum and resume scanning of the first.
Call for pricing
ScanView, Inc.; 330 Hatch Dr., Ste. A; Foster City, CA 94404; 415-378-6360 or 415-378-6368 (fax)

The Compatibility INIT
System enhancement
Macintosh Quadra or Centris.
The Compatibility INIT is a Macintosh system enhancement for Macintosh Quadra and Centris computers that makes them completely and transparently compatible with software that cannot currently run with the 68040 cache turned on. Unlike the cache control panel that ships with the Quadras, the Compatibility INIT is fully automatic and does not require users to reboot to change the cache settings. The Compatibility INIT works by recognizing incompatible software as it is launched and using the 68040 MMU to conveniently eliminate incompatibilities and minimize performance sacrifices.
$99.95 retail
Alysis Software Corp.; 1331 Columbus Ave., 3rd Fl.; San Francisco, CA 94133; 415-928-2895, 800-825-9747 or 415-928-2896 (fax)

Conflict Catcher II
Startup software manager and problem solver
Macintosh Plus or larger; System 6.0.5 or later.
Conflict Catcher puts users in charge of managing their startup software. It locates single and multiple conflicts between startup files; finds actual problems with a system (does not rely on a limited database that constantly needs updating); and solves startup software conflicts that may not show themselves only at startup time (they can manifest themselves anytime). Features include: creates sets of software files that are commonly used together, allowing better use of memory; creates three kinds of linked software (group links, incompatible links, forced order links) and imports and exports links; creates detailed system reports, including RAM requested and used by extensions, which may be printed; moves fonts in and out of the System 7.1 folder, freeing up more memory; works over AppleTalk networks (loads aliased startup files over a network); and more.
$79.95 retail
Casady & Greene, Inc.; 22734 Portola Dr.; Salinas, CA 93908; 408-484-9228, 800-359-4920 or 408-484-9218 (fax)

Connectix Desktop Utilities 1.0.4
Enhance productivity and convenience
Macintosh SE or larger; System 7.0 or later.
Connectix Desktop Utilities (CDU) is a collection of 16 powerful utilities for enhancing productivity and convenience. CDU supports federal guidelines on personal computing power conservation and is an Energy Star compliant controlling device. CDU protects sensitive data. Whenever the Mac is unattended, all files are secure, whether the Mac is on or off. CDU lets users customize the look of the Mac's windows, menu and controls with a variety of color-coordinated schemes. Users can place any pictures as the desktop image. CDU lets users easily synchronize files between any disks. Plus, CDU comes with a "quick set-up" mode so users can customize all of CDU's great enhancements at a glance. It features custom menu bar displays, screen saver, keyboard shortcuts, cursor finder, mouseless menu control and more to make a Macintosh more effective.
$99 retail
Connectix Corp.; 2600 Campus Dr.; San Mateo, CA 94403; 415-571-5100, 800-950-5880 or 415-571-5195 (fax)

Connectix PowerBook Utilities (CPU) 2.0.4
Portable computing utility
Macintosh PowerBook or Portable; System 7.0 or later.
Connectix PowerBook Utilities (CPU) is a comprehensive solution for enhancing PowerBook productivity and convenience. CPU extends battery life. Advanced battery and memory management put the PowerBook into a "power-saving" mode whenever the PowerBook is on battery. CPU keeps all files synchronized so users are always to sure to have the most recent version of their work. CPU protects sensitive data. Whenever the PowerBook is unattended, all files are secure, whether the PowerBook is running, shut down or asleep. Plus, CPU comes with a "quick set-up" mode so users can customize all of CPU's great enhancements at a glance. Custom menu bar displays, instant sleep and wake, LCD screen saver, keyboard shortcuts, cursor finder, mouseless menu control and more make the PowerBook more effective. Works with all PowerBooks, including the 68040-based models.
$99 retail
Connectix Corp.; 2600 Campus Dr.; San Mateo, CA 94403; 415-571-5100, 800-950-5880 or 415-571-5195 (fax)

Context/EDF 1.1
Converts files from Ichitaro Japanese DOS word processor into EDF format
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; Apple File Exchange; supports KanjiTalk 6.0.4 or later.
Context/EDF is a file converter that converts files from the premiere Japanese DOS word processor, Ichiaro v.3, into EDF format files to be accessed by EGWord on the Mac or any EDG format text processor. It converts through Apple File Exchange or EGWord filters.
$295 retail
CCIC; 605 Addison St., Ste. A; Berkeley, CA 94710; 510-548-2242 or 510-843-5173 (fax)

Copyright
Replaces the Finder's copy function
Macintosh Classic or larger; System 7.0 or later.
Copyright is a transparent utility that completely replaces the Finder's copy function, enabling users to copy files and folders in the background, and still perform all Finder functions. In addition to freeing the Finder during copies, Copyright permits users to simultaneously copy multiple files to multiple destinations.
Copyright Pro has the same functionality as Copyright, but it also allows users to schedule copies at specific times, repeat copies at designated intervals, automatically mount volumes and filter the files being copied. Users can schedule pending copies hourly, daily, weekly or at predetermined intervals. Users can filter the files being copied by name, type, creator, size, modification date, creation date, etc. Copyright Pro also gives users the option of replacing, duplicating or merging copies with older copies.

$49 retail; Copyright
$79 retail; Copyright Pro
MSA; 6565 Penn Ave. at Fifth; Pittsburgh, PA 15206; 412-471-7170, 800-366-4622 or 412-471-7173 (fax)

CorelSCSI For Macintosh
Complete optical disk and CD-ROM device driver solution
Macintosh SE or larger; 1 MB of RAM (2 MB with System 7); System 6.0.5 or later.

CorelSCSI for Macintosh supports optical drives — WORM, rewritable, multifunction and CD-ROM — from virtually every manufacturer. A single INIT supports all certified devices. Using CorelSCSI, optical cartridges appear as standard HFS volumes. Supporting both single and multisession drives, CorelSCSI reads a variety of CD-ROM formats, including Mac High Sierra, ISO-9660 and CD Digital Audio. Additional utilities are also provided for initializing, configuring, mounting and testing media. As a bonus to the SCSI utilities, CorelSCSI also includes a full-featured CD-Audio player for listening to audio CDs and a visual file manager for organizing, managing and manipulating graphic files.
$99 retail
Corel Corp.; 1600 Carling Ave.; Ottawa, Ontario, Canada K1Z 8R7; 613-728-8200, 800-772-6735 or 613-761-9176 (fax)

Crash Barrier
Offers alternatives to the System Error dialog box
Macintosh Plus or larger; System 6.0.2 or later.

Crash Barrier is a utility that offers alternatives to the System Error dialog box. It includes System Error Recovery, System Error Prevention and an Auto-Save feature. It supports Balloon Help with System 7.
$79.95 retail
Casady & Greene, Inc.; 22734 Portola Dr.; Salinas, CA 93908; 408-484-9228, 800-359-4920 or 408-484-9218 (fax)

Cron Manager 1.0.3
Chronological event management utility
Macintosh Plus or larger; 1 MB of RAM; System 7.0 or later; hard disk drive recommended.

Cron Manager implements the Unix Cron facility. It opens any Macintosh file on a given date and time. By creating an alias, renaming it to the date and time to open, and moving it into the Cron Events Folder, Cron Manager opens it at that date and time. Cron Manager also supports wildcards, day names, repeating intervals and time increments from startup. Cron Manager is a control panel that creates the special Cron Events Folder inside the System Folder. It works like the Startup Items, only smarter. It is completely transparent to the user and works with any Macintosh file. Cron Manager can open any file that a user can open.
$26.95 retail;
$59.95 retail; Cron Manager/CLImate bundle
Orchard Software, Inc.; PO Box 380814; Cambridge, MA 02238; 617-876-4608

Crypta
System for locking and unlocking software dispatched using distribution media
Macintosh Plus or larger; System 7.0 or later.

Crypta is a system for locking and unlocking software dispatched using distribution media like CD-ROMs, floppy disks or mailboxes. Crypta is capable of creating a crypted archive of files or folders. A crypted version acts like a self-extracting archive known from data compression tools and is called SDI (Self Decrypting Image). After starting an SDI, a "Transport Key" is presented to the user. This transport key has to be transmitted to the producer of the SCI (the software distributor), who can generate the unlock key corresponding with the transport key. The transport key is generated using the first application launch time and different characteristics of the customers Macintosh, e.g., RAM capacity, system version, monitor sizes. This ensures different transport keys for every customer although they use the same SDI. Crypta is a complete system for creating SDIs, generating unlock codes, protocolling sales, obtaining sales statistics, etc. It's available as a single application for small software producers, as well as network-oriented multiuser systems for distributors. Easy integration into existing systems is ensured by AppleScript support. Sample front ends are available for FileMaker Pro 2.x.
Call for pricing
Applied Technologies; Niedstrasse 22; D-12159 Berlin; Germany; +49-30-8592958 or +49-30-8514615 (fax)

Davka After Dark
Screen saver
Macintosh LC or larger; color monitor; hard disk drive; Berkeley Systems' After Dark.

Davka After Dark has 35 magnificent, full-color scenes of Israel for use with Berkeley Systems' After Dark.
$19.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

The DaWarehouse
Desk accessories
Any Macintosh; Suitcase or DA Juggler recommended.

The DaWarehouse is a collection of proofed, Value-Added Public Domain (VAPD) and shareware software. Included are: word processors, outliners, databases, Rolodexes, address books, time trackers, envelope printers, spreadsheets, desktop publishing aids, graphics plotters, chart utilities, calculators, math utilities, drawing programs, paint programs, graphics viewers, font utilities, System helpers, Finder replacements, games, document creators, folder movers, menu modifiers, title finders, program launchers and more. This is a 10-disk set with indexed disk jackets, including a complete tab-delimited database listing and documentation for the 500+ items included.
$39.95 retail
Showker Graphic Arts & Design; 15 SouthGate Ct.; Harrisonburg, VA 22801; 703-433-8402

The Deal
Productivity extensions
Macintosh Plus or larger; System 6.0.7 or later.

The Deal is a suite of 10 independent productivity extensions that increase a user's control over the Macintosh in various ways. RoboType is an auto-glossary that watches a user type and substitutes words, phrases or symbols from a list a user defines. With Pick A Letter, a user selects any character from any installed font and Pick A Letter "types" it in. DST Minder adjusts a user's Macintosh clock for Daylight Savings Time (DST), and back again, automatically. When a user loses the cursor and wiggles the mouse, BullsEye sees the wiggle and flashes a large bulls-eye pattern around the cursor. Mouse Gears lets a user set the mouse speed by a pop-up menu instead of the mouse control panel. It also remembers the settings for each application and switches automatically. With Monitors Minder, a user chooses the screen depth once for each application, using the convenient menu, and Monitors Menu switches automatically as a user changes applications. Sleep Now! is a pop-up that lets a user Sleep their Macintosh now. Other extensions include Diamond Menu, Pop Holder and Mouse Gears Pro.
$30 retail; volume discounts available
PaperClip Products; 4308 S. Peoria, Ste. 763; Tulsa, OK 74105; 918-749-7417 or 800-497-5508

DeskTape 1.9
Tape mounting software
Macintosh LC or larger; 1 MB of RAM; 5 MB of continuous hard disk space; System 6.0.4 or later.

DeskTape is a system extension/control panel device that provides a high-speed Finder interface for digital audio tape (DAT) subsystems. It gives users direct access to their files without transferring them to a hard drive. Users can open, view and even print large files directly from tape. DeskTape is compatible with DDS, SCSI-2 DAT mechanisms from Hewlett-Packard, Sony, WangDAT, Wangtek and Archive, as well as Teac (150 and 600 MB), Exabyte (8mm) and other SCSI-2 tape drives. Backup can be done by file selection, such as name, size, kind, label, date, version, comments or lock status under System 7.
$349 retail
Optima Technology Corp.; 17526 Von Karman; Irvine, CA 92714; 714-476-0515 or 714-476-0613 (fax)

DeskToppers
Calendar, Little Black Book, Doodle Pad, Music Maker, Scrapbook Library
Any Macintosh.

DeskToppers is a set of five practical desk accessories for the Macintosh. It includes a Calendar, which displays any month of any year from 1904 to 2003, can be used as a complete datebook or have its contents printed out; Little Black Book, which maintains up to 26 pages of names and addresses with a complete search-and-replace function and phone dialer for use with a modem; Doodle Pad, which lets users sketch and save drawings in MacWrite documents; Music Maker, a keyboard featuring four instruments on which users can play back and record music; and Scrapbook Library, which allows users to organize scrapbook files by dividing them into smaller scrapbook files without ever returning to the desktop.
$19.95 retail
Harvard Associates, Inc.; 10 Holworthy St.; Cambridge, MA 02138; 617-492-0660 or 617-492-4610 (fax)

Disk Finder 1.0
Disk cataloging program
Macintosh Plus or larger.

Disk Finder is a disk cataloging program for the Macintosh. It can catalog a floppy disk (or hard disk) in seconds. Disk Finder can be used to find any file instantaneously, and prints file catalog or disk labels when desired.
$49 retail
Enterprise Software; 12943 Andy Dr.; Cerritos, CA 90701; 310-809-7184

Disk Ranger V4.9.3; Ranger Reader; Disk Ranger INIT
Hard disk and floppy utilities, including disk cataloging and labeling
Macintosh Plus or larger.

Disk Ranger (System 7 compatible), Ranger Reader and Disk Ranger INIT provide a complete system for cataloging and labeling disks and finding lost files. They include routines for optimizing hard drives, editing files on disk, encoding/decoding files and new ways of removing or renaming files.

Disk Ranger catalogs hard disks and floppies. Catalog features include: full path names for files; sort disks/files by name, date, size, etc.; filter out unwanted files; add or delete disks or files from catalog; save catalog as text for use in other programs; and make labels directly from catalog entries. It will catalog the contents of Stuffit and Compact Pro files.

Ranger Reader is a desk accessory that will find files on a disk or search through a Disk Ranger catalog. This allows a user to keep a master catalog and quickly find any file on any disk in an entire collection. If Ranger Reader finds a file on disk, the next time a user chooses "Open," the dialog will show the correct folder for opening the file just found.

Disk Ranger INIT automatically updates users' catalogs as they use their disks. It works with floppies and hard drives.
$59.95 retail; includes all three programs
Graham Software Co.; 8609 Ingalls Cir.; Arvada, CO 80003; 303-422-0757

DiskDoubler
File compression utility
Macintosh Plus or larger; System 6.0.4 or later.

DiskDoubler is a powerful file compression utility that makes disk drives more efficient by increasing a disk's storage capacity by two or more times. Convenient to use, DiskDoubler lets users select any file or folder on the desktop, compressing it in seconds to take up less space. Once a file is compressed, it can be used as normal. Double-clicking on a compressed file will open it. Any application can open a compressed file, just as if it weren't compressed. DiskDoubler even remembers which files have been opened and recompresses them when a user is done. DiskDoubler's safe file processing scheme insures that files will not be damaged. By using a unique method of backing up files during processing, the likelihood of damaging a file is reduced to zero — even if power loss should occur during compression or expansion.
$79.95 retail
Symantec Corp.; 10201 Torre Ave.; Cupertino, CA 95014; 800-441-7234 or 800-626-8847 in CA

DiskMaster
Master, duplicate and serialize disks simply and quickly
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.

DiskMaster is a complete disk duplicating tool. It is the one program that accomplishes mastering, duplicating and serializing. With DiskMaster, users read, write and mount Disk Copy compatible image files and eliminate many of the steps associated with mastering and duplicating floppies. Users create a master disk image on a RAM disk instead of a floppy disk. Files can be copied and changes made to a master disk hundreds of times faster than working with a floppy.
DiskMaster's serialization modules allow users to give each of the floppies a unique serial number by adding a resource, modifying an existing resource or by writing into the data fork.
$99.99 retail
Digital Eclipse Software, Inc.; 5515 Doyle St., Ste. 1; Emeryville, CA 94608; 510-547-6101, 800-289-3374 or 510-547-6104 (fax)

DiskTop 4.5
Desk accessories; application program
Macintosh Plus or larger.

DiskTop is a desk accessory that allows a user to find, list, delete, rename, copy, move, size, launch or set attributes of files on any disk without leaving the current application. It also lets users create aliases (under System 7), make new folders, restart or shut down. It also includes DT Launch for launching files and documents. DiskTop has a powerful "find" feature that allows users to search multiple drives to locate files that match certain criteria; including file name, file type, file creator, date created (or a range of dates), date modified (or a range of dates) or a range of file sizes. Users can add often used folders to a special "Jump-to" submenu and quickly view the contents of the folder by selecting its name — even though the folder may be nested several layers deep on a different drive.
$99.95 retail
PrairieSoft, Inc.; PO Box 65820; West Des Moines, IA 50265; 515-225-3720

The Disney Collection Screen Saver
Screen saver
Macintosh Plus or larger; 4 MB of RAM; System 6.0.4 or later.

Users can share the magic of The Disney Collection Screen Saver with Mickey Mouse and all of his friends. Users can watch and listen as some of their favorite Disney characters from films like The Little Mermaid, Beauty and the Beast, 101 Dalmatians, The Jungle Book, Fantasia, Peter Pan, Pinocchio, Alice in Wonderland and many others help protect their monitor. With more than 15 different modules to choose from, this complete screen saver prevents phosphor burn-in by animating the display and preventing static pictures or text from leaving permanent images on their screen. This stand-alone package will also run After Dark 2.0 or later, as well as all other Berkeley Systems screen savers. It includes standard After Dark features, such as SystemIQ. Users can also protect their privacy by using the built-in password feature, which prevents unauthorized access.
$49.95 retail
Berkeley Systems, Inc.; 2095 Rose St.; Berkeley, CA 94709; 510-540-5535, 800-877-5535 or 510-540-5115 (fax)

DragInstall
Installer program
Macintosh Plus or larger.

DragInstall is a customizable installer program that allows developers to create easy-to-use installers for their software. These installers provide end users with a click-and-drag interface and on-screen help to make installation as easy as possible. Developers set up their installers using the DragInstall Builder application. This Builder gives developers complete control over placement of files and folders and allows optional installation of files and folders based on system attributes. The Builder compresses files into segments that fill available space on each disk, reducing the number of disks needed. Multiple disks are handled automatically. The Builder allows grouping of files and folders into recommended and other installations. Installations can put files directly into the System folder and System 7 special folders and can optionally restart a user's Macintosh. External routines can also be called during an installation to provide additional capabilities.
$300 retail
Ray Sauers Associates, Inc.; 1187 Main Ave., Ste. 1B; Clifton, NJ 07011; 201-478-1970 or 201-478-1513 (fax)

DriveCD
Maximize CD-ROM drive performance with intelligent caching
Macintosh Plus or larger; System 6.0 or later.

DriveCD delivers maximized CD-ROM performance with intelligent caching for virtually all popular CD-ROM drives, full support for SCSI-2, multisession Photo CDs and Macintosh SCSI Manager 4.3. The CDEV displays SCSI bus information for target ID and logical unit numbers, mechanism type and volume names. The AudioCD application controls multiple audio CDs and CD-ROM drives simultaneously. Cache Control allows users to enable two levels of advanced caching techniques, which actually learn user actions. Another unique and powerful feature of DriveCD is its ability to disable Apple's System cache to eliminate redundant caching. DriveCD does not require users to restart to optimize the caching process for different CDs, nor does it consume large amounts of hard drive space. There is also no need to pre-set or teach the program which CD or application users use.
$79.95 retail
Casa Blanca Works, Inc.; 148 Bon Air Center; Greenbrae, CA 94904; 415-461-2227 or 415-461-2249 (fax)

DriveTech
Floppy drive testing and maintenance program
Macintosh Plus or larger; System 6.0.7 or later.

DriveTech is a Macintosh floppy drive diagnostic program that checks every track and sector position of the floppy disk drive by employing certified test diskettes that verify the drive's read and write accuracy. DriveTech also offers an advanced head cleaning routine that utilizes the 3M Head Cleaning Diskette Kit (included), the only floppy drive cleaning system approved by Apple Computer, Inc. Data loss, errors and general drive failure can often be attributed to microscopic dirt, dust or other foreign particles on the read/write heads. The risk of drive failure can be reduced by using the DriveTech cleaning and testing system.
$59.95 retail
MicroMat Computer Systems; 7075 Redwood Blvd., Bay 4; Novato, CA 94947; 415-898-6227, 800-829-6227 or 415-897-3901 (fax)

DupLocator 1.0.3
File/disk manager specializing in locating duplicate files
Macintosh 512KE or larger; System 4.2 or later.

Users simply pick a disk, click a button and in seconds they'll know exactly where the space-wasting duplicated files are hiding. DupLocator builds a catalog on all or selected volumes with viewing options that include all files, duplicates and B*tree listings. Detailed information is instantly available for each file/folder or disk. Floating palettes and 3D buttons also provide commands like Move, Copy, Delete, Rename, Info and Launch, which can be applied to batches of files/folders from different volumes, as well as individual files. The network compatible program also includes the ability to compress and open archives; color files and folders individually (or en-masse by type or creator); save and print reports of disk statistics, duplicates or complete catalog listings; mount SCSI devices; serialize searched floppies/removables; Balloon Help; and more. DupLocator is System 7 savvy.
$99 retail
Midnight Software, Inc.; 10997 W. Dumbarton Cir.; Littleton, CO 80127; 303-933-1013 or 303-933-1503 (fax)

DynoPage 2.0
Printer driver that prints any Macintosh file double-sided on any page size
Macintosh Plus or larger.

DynoPage is a print utility that lets users print directly to double-sided pages using regular-size paper or custom-size pages for personal organizers. PrintChooser is a Control Panel Device that allows users to quickly choose any printer driver or network printer from a menu or from a submenu appended to the Page Setup or Print menu choices. DynoPage can be easily turned on and off via PrintChooser, with a toggle-key, or from the Control Panel. More than 100 layouts are provided, making it a snap to create professional-quality booklets, thumbnails, post cards, business cards, storyboards, Tabloid signatures and more. DynoPage is accessed from the Page Setup and Print commands within any application or desk accessory. Users can print word processing documents, spreadsheets, pie charts, to-do lists, calendar pages, reports, etc., right to their personal organizer. The System 7 savvy DynoPage adds drag-and-drop printing from the Finder and will receive Apple Events commands from applications. Personal organizer paper is sold separately.
$59.95 retail
$12.95 retail; DynoPaper (box of 50 sheets)
Portfolio Software, Inc.; 1 Millet St.; PO Box 1010; Richmond, VT 05477; 802-434-6400, 800-729-3966 or 802-434-7000 (fax)

ExpressStripe
Disk striping software
Macintosh II or larger.

ExpressStripe (RAID Level 0) is an easy-to-use software package that increases disk performance by accessing data across several drives simultaneously. ExpressStripe is implemented through the ATTO SiliconExpress family of SCSI-2 accelerators for the Macintosh. Using the advanced BusMaster capabilities of the SiliconExpress, features such as disconnect/reconnect, scatter/gather and asynchronous I/O provide the highest performance levels available. ExpressStripe supports up to four disks per array and can be configured together with up to four SiliconExpress cards. While ExpressStripe supports four drives with a single card, overall data transfer rates are increased exponentially as additional SiliconExpress cards are added. ExpressStripe features selectable block sizes for improved performance. This configurable option allows for maximum I/O by matching the block sizes with typical requests based on a user's application.
$395 retail
ATTO Technology, Inc.; Audubon Technology Park; 40 Hazelwood, #106; Amherst, NY 14228; 716-691-1999 or 716-691-9353 (fax)

FetchIt 3.1
Complete file management system within standard Open and Save dialog boxes
Macintosh 512K or larger; System 6.0.2 or later.

FetchIt is an INIT that adds a powerful set of commands from within the standard Open and Save dialog boxes. Users can find files with ease by using the Find File or the Look'fer command. FetchIt is targeted at those users who need to find files that contain specified text strings but do not want to go through the time to open and search each file. FetchIt's advanced feature will even allow users to search for files containing either or both of two text strings and see its context. In addition, FetchIt can find files by filename, create a new folder and duplicate, rename or delete files. It also displays the Get Info box with the Finder comment.
$39 retail
Cra Z Software; PO Box 6379; Haverhill, MA 01831; 508-521-5262

FileRunner For The Macintosh
File transfer and synchronization
Macintosh Plus or larger; 1 MB of RAM (2 MB with System 7); System 6.0.7 or later.

FileRunner is an ideal way to synchronize home, office, PowerBook and networked Macintoshes, simplifying and automating a tedious task. With Tru•Sync synchronizes all the updates, transfers, deletes and new files/folders users care about as though an "invisible network" exists between every Mac that is used. It automatically identifies and transfers updated and new files/folders. Overwrite SafeGuard protects data by never allowing older files/folders to destroy current version and warns users if the same file is changed on more than one Mac since the last time the program was run. An added safety feature is automatic scanning of viruses during transfer. FileRunner transfers files using a simple floppy disk or any type of disk users can see on the Macintosh desktop. The program performs either one way or bi-directional file

transfer. It also creates a customized log of all transfers, providing a comprehensive audit trail. For travelers the application compensates for time zone changes.
$99.95 retail
MBS Technologies, Inc.; 4017 Washington Rd., #4000; McMurray, PA 15317; 412-941-9076, 800-860-8700 or 412-941-7076 (fax)

Findswell 2.4
Document locater, opener and path saver; remembers the location of frequently used documents
Macintosh 512KE or larger; System 3.2 or later.
Findswell is a document locater, opener and path saver that offers improvements over file locators. Documents and folders can be opened directly within an application, and Findswell remembers the path to documents and folders. When placed in the System Folder, a "Findswell" button is added to the Open and Save dialog of every Macintosh program. A user types all or part of a document name and presses the "Find" button. Documents and folders whose names contain the typed characters are shown. Frequently opened folders and documents are accessible without having to perform a find operation. Additional features include: remembers names of last several files opened; searches comments field; and a "New Folder" button. Findswell is System 7 compatible.
$39.95 suggested retail
Working Software, Inc.; PO Box 1844; Santa Cruz, CA 95061; 408-423-5696, 800-229-9675 or 408-423-5699 (fax)

■ **FixIcons**
Bug fixer
Any Macintosh; separated hard disk drive; System 7.0 or later.
FixIcons is a system extension that cures a "bug" afflicting many System 7 Macintosh computers using partitioned hard drives or multiple hard drives. Under System 7, many users find that their icons have been changed to "generic" icons. Users are tired of having to rebuild their desktop file everytime they reboot. FixIcons will change icons back to individually different selves. FixIcons runs only at startup time and then vanishes. There are no settings, no adjustments.
$25 retail; volume discounts available
PaperClip Products; 4308 S. Peoria, Ste. 763; Tulsa, OK 74105; 918-749-7417 or 800-497-5508

FolderJump 2.0
Adds features to the standard Open and Save dialog boxes
Macintosh Plus or larger; System 6.0.2 or later.
FolderJump is a startup document (INIT) that adds features to the standard Open and Save dialog boxes. It adds a new pop-up menu that contains a list of commonly used folders. Selecting a folder name from the menu will cause that folder to be made current. FolderJump provides a simple interface for adding and deleting folders to the menu. FolderJump's most interesting feature is its mouse-less jumping between folders. By invoking this feature from the keyboard, it will display a list of the same folders appearing in the pop-up menu, but allows users to select the folder by typing the first or first few characters of the folder name. Hitting the return key will then make that folder current. FolderJump makes moving between folders effortless.
$59 retail
Cra Z Software; PO Box 6379; Haverhill, MA 01831; 508-521-5262

Font/DA Juggler Plus
Lets users access thousands of fonts, desk accessories, Fkeys and sounds simultaneously
Macintosh 512KE or larger.
Font/DA Juggler Plus is a utility that lets a Macintosh user access thousands of fonts, desk accessories, Fkeys and sounds simultaneously. Up to 12 files containing these items can be opened with the utility and the contents made available system wide, just as if they had been installed on the System file. One of the advanced features of the Font/DA Juggler Plus is the ability to compress fonts. Font/DA Juggler Plus maintains four lists to manipulate fonts, DAs, Fkeys and sounds. Each list appears in a pop-up window that can be moved and scrolled. Also included with Font/DA Juggler Plus is FontShow, an advanced Fkey alternative to the font list. Several additional utilities are packaged with Font/DA Juggler Plus. Fkey/Sound Mover can copy, rename, renumber and remove Fkeys and sounds. Font Resolver will automatically resolve font numbering conflicts, and Font/DA Utility allows users to rename and renumber fonts and DAs manually. More than 50 tested public domain fonts, DAs, Fkeys and sounds are included.
$59.95 retail
Alsoft, Inc.; PO Box 927; Spring, TX 77383; 713-353-4090 or 713-353-9868 (fax)

Fontina
Improves font menus
Macintosh Classic or larger.
Fontina upgrades the Macintosh operating system to replace conventional, scrolling font menus with compact, efficient multicolumn menus that show every font at a glance. It installs effortlessly and can be customized from the Control Panel. Fontina also automatically rearranges the font menu to bring related fonts together (i.e., Helvetica, N Helvetica Narrow).
$69.95 retail
Eastgate Systems, Inc.; PO Box 1307; Cambridge, MA 02238; 617-924-9044, 800-562-1638 or 617-923-4575 (fax)

Gif-O-Matic 1.0
GIF picture viewer
Macintosh 512KE or larger.
Gif-O-Matic is a Graphic Interchange Format (GIF) picture viewer. It can automatically view GIF pictures as they are downloaded from any online service or bulletin board service using almost any communications software. Gif-O-Matic can also save the picture in PICT or PICT2 color formats and copy the picture to the Clipboard. Color is supported if available. Ten configuration settings are provided to set up Gif-O-Matic for each of the communications products used. The Gif-O-Matic package includes both desk accessory and application versions. It also supports GIF89a.
$30 retail
Mi Concepts; PO Box 8822; Kentwood, MI 49508; 616-765-3312, ext. 14 or 616-765-3325 (fax)

GoFigure 1.2
Calculators
Newton MessagePad.
GoFigure is an application containing 16 different calculators integrated into one easy-to-use program for the Newton MessagePad and Sharp ExpertPad. GoFigure solves household basics like cooking unit conversions and sales tax computation in a snap. Yet, GoFigure has the power users will need to make it through a Calculus class. Everything from standard to industry specific and lifestyle calculators are covered. Specific calculators include: Math/Science, Statistics, Dates, Babies/Babysitting, Restaurant Tips, Architectural, Film Editing and Programmers.
$79.95 retail
Dubl-Click Software, Inc.; 20310 Empire Ave., Ste. A102; Bend, OR 97702; 503-317-0355 or 503-317-0430 (fax)

GraVu!
Picture display enhancer
Macintosh LC or larger; System 7.0 or later.
GraVu! is a System extension that allows most Macintosh users to see higher quality picture images on their Macintosh screens. GraVu! modifies the MacOS to provide automatic gray-scale simulation on monochrome screens by error-diffusion dithering and extends this function to provide enhanced imaging on color screens of less than 32 bits/pixel. GraVu! allows users to 16 grays displays to see good renditions of 256-grays images from scanners and photo libraries. Users of 256 color displays can see remarkable simulations of "thousands" (16-bit) and "millions" (24/32-bit) of color images. Even users of 32-bit displays can benefit: GraVu!'s simulation of 32-bit images in 256 color mode is faster than updating the full screen in "millions" mode in typical documents where the 32-bit picture is comparatively small in relation to the entire document. In programs that support zooming, GraVu! will re-simulate images at each magnification selected, yielding optimum results at each magnification. GraVu! can be turned on and off with a user-configurable pop-up menu.
$30 retail; volume discounts available
PaperClip Products; 4308 S. Peoria, Ste. 763; Tulsa, OK 74105; 918-749-7417 or 800-497-5508

Guaranteed Undelete
Recovers accidentally deleted files
Macintosh Plus or larger; System 6.0 or later.
Guaranteed Undelete allows users to recover accidentally deleted files, quickly and easily. Recovery is as simple as selecting a file or folder from a menu. And there are no chances of damaged sectors — even after disk optimization. Guaranteed Undelete includes TrashMaster with Incinerator for automatic trash management and secure file erasure conforming to U.S. DoD specifications. Incinerator automatically erases temporary and spool files for ultimate security.
$79.95 retail
Utilitron, Inc.; 6079 Madera Dr.; Woodland Hills, CA 91367; 818-883-4646 or 800-428-8766

■ **GuRU**
Guide to memory upgrades
Any Macintosh, including PowerBooks.
GuRU is a guide to RAM upgrades, and is a freeware application that provides all possible memory upgrades of both system memory and video memory for all Macintosh computers, including PowerBooks and Power Macintosh. An excellent tool for users who are in charge of technical support or memory upgrades, it allows quick and easy identification of all memory options. By combining existing SIMMs with new SIMMs, the best use of the memory upgrade budget is afforded. By selecting a CPU, users can then view all possible SIMM memory combinations, as well as video memory options. Included in GuRU is a complete system readout of the CPU type and clock speed, number of slots, system version and other system-wide information. It is also available online from most major services.
Free
Newer Technology; 7803 E. Osie, Ste. 105; Wichita, KS 67207; 316-685-4904, 800-678-3726 or 316-685-9368 (fax)

Ham
System enhancement utility
Macintosh Classic or larger; 2 MB of RAM; System 7.
Ham removes the "fat" from the Apple menu and puts the things users need at their fingertips. It makes the Macintosh work the way users do rather than changing the way they work.
$79.95 retail
Inline Software; 308 Main St.; Lakeville, CT 06039; 203-435-4995, 800-453-7671 or 203-435-1091 (fax)

Hand-Off II
File launcher
Macintosh Plus or larger; System 6.0.2.
Hand-Off II is a complete kit of Finder enhancements designed to facilitate the launching of applications and documents through the use of five main tools. The Supermenu feature, in conjunction with full support of System 7 Aliases, simplifies file access to System documents. Pop-up menus facilitate application launch by giving one mousestroke access to all launched and unlaunched applications under the menu bar. "Briefcases" designate groups of applications and/or documents for single-click simultaneous launching from the pop-up menu. Sound level and color depth may be assigned to each application and then automatically adjusted whenever that application is launched or selected. The "Application Not Found" dialog box is eliminated. Instead, a full menu of applications appears when a document is launched without the creator application present. Hand-Off II is compatible with System 6 and 7.
$99 retail
Connectix Corp.; 2600 Campus Dr.; San Mateo, CA 94403; 415-571-5100, 800-950-5880 or 415-571-5195 (fax)

Help!
Problem-solving utility
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0 or later.
Help! is a configuration problem-solving utility for the Macintosh. It analyzes a user's system (both hardware and software), detects potential or actual problems and offers suggestions to fix any detected problems. It generates desktop publishing-quality

reports that include charts and tables. Reports can be customized to display only the desired topics. Help! is designed for all levels of Macintosh users and it helps reduce the need for support by providing a constant source of technical assistance at every user's workstation. Help! checks for problems by using an expert system to compare a user's configuration with a built-in knowledgebase of information. The knowledgebase contains rules for detecting problems, as well as recommended actions for solving every problem. Knowledgebase update subscriptions are available to keep up with the latest software and hardware products, system software and recently discovered conflicts. Help! detects startup document conflicts, incompatibilities between system software and hardware, incompatibilities between applications and system software (including System 7 support), incompatibilities between hardware and applications, improperly installed files, duplicate copies of files, multiple system folders, insufficient memory and damaged files.
$149 retail
$75 per year retail; subscription, includes four knowledgebase updates and any updates to the application
$39 per year retail; subscription, includes two updates per year
Teknosys, Inc.; 3923 Coconut Palm Dr., Ste. 111; Tampa, FL 33619; 813-620-3494, 800-873-3494 or 813-620-4039 (fax)

Help! Personal
Problem-solving utility
Macintosh Plus or larger; 2 MB of free RAM; hard disk drive; System 6.0.4 or later.

Help! Personal analyzes a user's system (both hardware and software), detects potential or actual problems and offers solutions to fix them. Help! Personal is designed for all levels of Macintosh users and it assists in reducing the need for support by providing a constant source of technical assistance at every user's workstation. Help! Personal has a distinct advantage over other user support products because it detects and helps solve users' problems rather than just reporting on a system's configuration. Help! Personal checks for problems by using an expert system to compare a user's configuration against a built-in knowledgebase of information. The knowledgebase includes rules for detecting problems, as well as recommended actions for solving every problem. Help! Personal detects conflicts, incompatibilities, duplicate files, insufficient memory, improperly installed files and damaged files.
Call for pricing
Teknosys, Inc.; 3923 Coconut Palm Dr., Ste. 111; Tampa, FL 33619; 813-620-3494, 800-873-3494 or 813-620-4039 (fax)

■ **High Octane Ad Specialty Software**
Desk accessories that put a user's corporate message in front of customers
Macintosh II or larger.

High Octane Ad Specialty Software is useful desk accessories designed to run on a Macintosh. Users can put their corporate message in front of their customers on a daily basis. Each accessory is customized with company logo, phone number and a brief message. Quantities of disks with custom labeling are provided, or a mastering disk is sold with full duplication/distribution rights. High Octane Ad Specialty Software includes: proportion wheel, loan calculator, protractor, printing calculator, area code finder and 50-page perpetual notepad.
Call for pricing
Octane Media Group; 3307 N. Victoria; Shoreview, MN 55126; 612-490-7559 or 612-490-5464 (fax)

■ **Hot Jots**
Screen saver that saves memory
Macintosh II or larger; System 7.0 or later; 8-bit color or gray-scale monitor; hard disk drive.

Hot Jots is the electronic replacement for corkboards, sticky notes, push-pins, white boards and refrigerator magnets. It is a screen saver that can be turned off and on without rebooting, allowing users to free up memory for those important projects. Users can choose from more than 30 different note frames, and each note can have its own font, size, style and color. Users just click on a note to instantly create, edit or change a message, idea or reminder. Notes can be password locked for "secret messages."
$44.95 retail
Component Software; PO Box 201; Rocky Hill, NJ 08553; 609-497-4501, 800-633-4253 or 609-497-4008 (fax)

Icon 7
Icon editor
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 7.0 or later.

Icon 7 enables users to create custom icons for applications, files, folders and disks for instant recognition, and add some fun to their Mac. The Icon 7 editor includes a complete palette of tools for editing in black and white, 16 colors and 256 colors. In addition to the 17 functions in the tools palette, icons can be rotated clockwise or counter-clockwise, and flipped horizontally or vertically. Icon 7 lets users store icons in libraries, and even comes with sample libraries to get started.
$59.95 suggested retail
Inline Software; 308 Main St.; Lakeville, CT 06039; 203-435-4995, 800-453-7671 or 203-435-1091 (fax)

■ **Icon Gallery**
Icon collection
Macintosh Plus or larger; 1 MB of RAM; System 7.0 or later; hard disk drive.

Icon Gallery is a collection of 850 professionally-painted color icons: people, appliances, logos, plants, designs and more. They are enfoldered by category, almost universally usable and unbelievably tempting. Within 30 seconds users can make their landscape of files and folders more personal, more colorful and funnier.
$59.95 retail
Component Software; PO Box 201; Rocky Hill, NJ 08553; 609-497-4501, 800-633-4253 or 609-497-4008 (fax)

Icon Mania! 1.01
Icon customization
Color-capable Macintosh; System 7.0 or later.

Icon Mania! is the easiest way to customize icons. It makes it fun and easy to: replace boring icons with colorful, extraordinary alternatives; automatically create folder icons (no drawing required); automatically create thumbnail preview icons of all graphics files; touch up icons with a powerful editor; and manage icon libraries effortlessly (a huge icon library is included). Users can see the contents of a graphic file without opening it. MacPaint, Startup Screen, QuickTime, EPS, GIFF, Photoshop, PICS, PICT and TIFF filenames usually don't always accurately describe the images they contain. The solution: using a miniature of the image itself as the file's icon. Users just drag and drop graphic files onto the Icon Mania! application. Thumbnail icons are then automatically created. Users can even select a particular portion of the picture to use as the thumbnail icon.
$69.95 retail
Dubl-Click Software, Inc.; 20310 Empire Ave., Ste. A102; Bend, OR 97702; 503-317-0355 or 503-317-0430 (fax)

Icon-It! 3.0
Utility allowing users to place menu commands, DAs, fonts and macros into a one-click, movable icon bar
Macintosh Plus or larger.

Icon-It! allows users to create their own personalized (even color) icons to represent frequently-used menu functions, desk accessories, Fkeys and macros, and display the icons on an "icon bar" appearing anywhere on the screen, vertically or horizontally. Users can install predesigned templates, sketch their own icons from the Icon-It! editor or import their favorite bit-mapped pictures from any paint program. Also, Excel or Tempo macros and Fkeys can be represented by familiar icons, so a user can simply click on the corresponding icon instead of having to remember the required keyboard combination. An icon library is included. Icon-It! is System 7 compatible.
$129 retail
Olduvai Corp.; 9200 S. Dadeland Blvd., Ste. 725; Miami, FL 33156; 305-670-1112, 800-548-5151 or 305-670-1992 (fax)

INIT Manager
Takes control of startup documents
Macintosh Plus or larger; System 6.0 or later.

INIT Manager helps solve the conflicts created by the diverse mixture of public domain, shareware and commercial software by taking control of startup documents before they are loaded into a user's System file. It delivers the capability to generate detailed reports on INITs and their interaction with the Mac Operating System. With INIT Manager, users can create and save sets of INITs for use in specialized software group environments. With INIT Manager's system analysis capabilities, sophisticated reports can be generated on practically every aspect of the Macintosh Operating System. Using INIT Manager's Damage Control feature, INITs that cause System crashes are flagged, disabled and thus prevented from running without a user's knowledge and approval.
$59.95 retail
Baseline Publishing, Inc.; 1770 Moriah Woods Blvd., Ste. 14; Memphis, TN 38117; 901-682-9676 or 901-682-9691 (fax)

INITPicker 3
INIT manager
Macintosh Plus or larger; 1 MB of RAM; System 7.0 or later.

INITPicker helps users manage the tangled web of INITs that are supposed to make a system more productive, but frequently only serve to be a hindrance.
$79.95 retail
Inline Software; 308 Main St.; Lakeville, CT 06039; 203-435-4995, 800-453-7671 or 203-435-1091 (fax)

InLarge 2.0
Image-enlargement software for people with visual disabilities
Macintosh Plus or larger; System 6.0.5 or later.

InLarge is a software-only large print display utility that magnifies everything on the screen — graphics, menu bars, spreadsheet cells, dialog boxes, text, etc. — by 2 to 16 times. It works with virtually all Macintosh software, and follows typing and mouse movements without conflicting with the program being used. The magnified display can cover the whole screen or any user-defined portion; unmagnified areas can be blanked out. Additional features include: automatic scanning (horizontal and vertical); reverse video with "smart" color inversion; optional crosshairs for tracking cursor location; image "stretching"; and choice of screen motion options. The program is designed to be maximally configurable to meet users' specific needs.
$195 retail
Berkeley Systems, Inc.; 2095 Rose St.; Berkeley, CA 94709; 510-540-5535, 800-877-5535 or 510-540-5115 (fax)

Innovative Utilities
Four utilities in one package
Macintosh Plus or larger; System 6.0.5 or later (Memory Maxer requires System 7.0 or later).

Innovative Utilities provides four utilities in one package. Memory Maxer allows users to dedicate all memory to one memory-hungry application under System 7. Color Coordinator automatically adjusts color settings as users switch back and forth between programs. Hot DA opens any Apple menu item with a single keystroke and pastes graphics or text into a user's favorite desk accessory. Whiz-Bang Window Accelerator opens and closes windows in a flash. It gives the Finder a speed boost.
$19.95 retail
Casady & Greene, Inc.; 22734 Portola Dr.; Salinas, CA 93908; 408-484-9228, 800-359-4920 or 408-484-9218 (fax)

InTouch
Provides screen access (text and graphics) to the blind
Macintosh 512KE or larger; System 4.1 or later; Optacon II.

InTouch, developed by Berkeley System Design, is a Macintosh driver for TeleSensory's Optacon II, a tactile-imaging device for the blind. The Optacon hardware consists of a pad of vibrating pins and a hand-held camera, with which a user scans the material. The pins are raised and lowered to simulate the outline of each character, one letter at a time. InTouch applies the same concept to the Macintosh interface. Instead of a camera, the mouse is used to scan the text or graphics

These Products Available Through Bottom Line Distribution
1-800-347-1923

on screen. The area around the cursor is then simulated on the pin touch pad.
$395 retail; software and cable
$3,695 retail; Optacon II
TeleSensory; 455 N. Bernardo Ave.; PO Box 7455; Mountain View, CA 94039; 415-960-0920, 800-227-8418 or 415-969-9064 (fax)

Jukebox MO Manager
All the software needed to set up and run an optical autochanger on a Macintosh computer
Macintosh Plus or larger; System 6.0.3 or later.
Jukebox MO Manager allows users to create and maintain an optical library of up to 20 GB using the Hewlett-Packard Series 6300 Autochanger model 20GB/A, ISO standard rewritable cartridges and a Macintosh computer. Features include: mount the optical storage system on the Macintosh "desktop" screen environment; display and access all cartridges in the autochanger in a convenient, easy-to-use desk accessory display; format, partition, name, mount and eject new cartridges using the Installer application; automatically inventory the cartridges in the autochanger and display the status and name of each cartridge; test the data integrity of each cartridge using diagnostic features in the Installer application; "cursor sensitive" Help automatically guides users through each step; and supports both 512 and 1,024 byte/sector ISO standard cartridges.
$2,495 retail; HP version
$895 retail; IDE version
Software Architects, Inc.; 19102 N. Creek Pkwy., Ste. 101; Bothell, WA 98011; 206-487-0122 or 206-487-0467 (fax)

Kaboom! 2.0
Sound utility; 150 wild and wacky sounds
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.4 or later.
With Kaboom!, users can add more than 150 wild and wacky sounds to their Macintoshes, from roosters crowing to tires screeching. Kaboom! also includes famous sounds and dialog from politicians and celebrities, like Richard Nixon and Ronald Reagan. With Kaboom!'s control panel, the Macintosh can automatically play the sound of a user's choice every time they start up the computer, insert a disk, open or close a window, throw a document in the trash and more. It includes the Kaboom! Factory Sound Editor.
$49.95 retail
Nova Development Corp.; 23801 Calabasas Rd., Ste. 2005; Calabasas, CA 91302; 818-591-9600, 800-395-6682 or 818-591-8880 (fax)

Kiwi Power Menus
Apple menu utility
Macintosh Classic or larger; System 7.0 or later.
Kiwi Power Menus is an almost essential utility for any System 7 user. By adding submenus to any folder placed in the Apple menu, it enhances both the convenience and the usefulness of this menu. Users simply drop Kiwi Power Menus in the System folder and restart the Macintosh. From then on, users will be able to access any document on their hard drive or remote hard drive. With elegant simplicity, Kiwi Power Menus provides at the same time instant access to most often used files and a simple, familiar way to organize the Apple menu for maximum productivity.
$39.95 retail
Kiwi SOFTWARE, Inc.; 6546 Pardall Rd.; Santa Barbara, CA 93117; 805-685-4031, 800-321-5494 or 805-968-1932 (fax)

Kiwi Power Windows 1.5
Cleans up a messy desktop
Macintosh Plus or larger; System 7.0 or later.
Kiwi Power Windows is a definitive window and document management utility. Created specifically for System 7, it provides users with elegant screen organization tools and a remarkably flexible system for accessing multiple documents. With "Work Sets" (groups of windows) and preset or customized "Window Layouts" (window arrangements), Kiwi Power Windows eliminates time-consuming retrieval of buried documents and hidden windows and maximizes efficient use of desktop space. It includes Kiwi Power Menus.
$79.95 retail
Kiwi SOFTWARE, Inc.; 6546 Pardall Rd.; Santa Barbara, CA 93117; 805-685-4031, 800-321-5494 or 805-968-1932 (fax)

KopyKat 1.0.4
Allows users to access multiple clipboards
Macintosh 512K or larger; System 6.0.2 or later running MultiFinder, or System 7.
KopyKat is a powerful start-up document/control panel device that provides users with the ability to access multiple clipboards in most every application. KopyKat is not limited to one clipboard but expands the Macintosh's abilities to a "user-defined" number of clipboards. These "Kopys" can then be pasted into the same application in which they were "kopied" from or into another application. KopyKat does this by extending the already easy-to-use Macintosh interface by adding a sub-menu to the Paste menu. After one or more "Kopys" have been performed, a paste can be performed by selecting one of the menu items in the Paste sub-menu. KopyKat shows a preview of the "Kopy" before the paste is performed. KopyKat also provides an easy-to-use pop-up menu that allows "Kopys" and Pastes at a click of the mouse.
$89 retail
Cra Z Software; PO Box 6379; Haverhill, MA 01831; 508-521-5262

Label Designer
PostScript desktop publishing program
Macintosh Plus or larger.
Label Designer is a PostScript desktop publishing package that handles text, graphics and sequentially-ordered numbers or bar codes. Text, graphics and bar-code information can also be imported from most popular databases. Label sizes and layouts are user definable for laser printing on any type of label stock. Label Designer also features built-in step and repeating, and the capability to factor disproportioning for pre-press applications. In addition to full text and graphics editing capabilities, Label Designer uses ComputaLabel's graphical technology to create accurate bar codes within specifications defined by standards bodies, such as AIM and the UCC. A UPC code, for example, can be adjusted in between 80 and 200 percent of the nominal size in .1 percent increments; code height is separately adjustable to allow for bar-code truncation. To ensure accuracy of the final printed code, Label Designer allows adjustments as small as .00004 inches to the bar width. Code 39, UPC and PostNet bar coding is included with the base package; optional modules include Code 128, Interleaved 2-of-5, EAN and ISBN bar codes.
$195 retail
ComputaLabel Inc.; 28 Green St.; Newbury, MA 01951; 508-462-0993, 800-289-0993 or 508-462-9198 (fax)

■ **Label Press**
Prints labels of any size with bar codes, text and graphics
Macintosh Plus or larger; System 6.0.7 or larger; printer.
Label Press is an advanced design tool for all-purpose label making and a true solution for Macintosh users with specialized, heavy-duty thermal bar code printers, such as those from Fargo/Datamax, Intermac and Zebra. Label Press contains Synex's Bar Code Pro graphic technology to create in one step bar-coded labels of any size on any printer, including ImageWriters. Eighteen bar-code symbologies are supported (no font required): UPC versions A&E, Postnet/FIM, Code 39, Code128, Codabar, ITF/ITF-14/Code 25, EAN 8 & 13/ISBN/ISSN/JAN 8 & 13, MSI/PLESSEY and PHARMACODE. External EPS or PICT graphics may also be used. Batch generation of labels from external database text files, as well as serialization of text and bar-code fields, is supported. Line and box drawing and rotation tools are also incorporated. It is fully System 7, 7.1 and Power Macintosh compatible. The specialized thermal version is dual purpose, working with desktop printers also.
$299 retail; Labor Press
$795 retail; Labor Press Thermal
Synex; 692 10th St.; Brooklyn, NY 11215; 718-499-6293, 800-447-9639 or 718-768-3997 (fax)

LaserPlot
Converts HPGL and DXF file formats to EPS and PICT
Macintosh Plus or larger; System 6.0.7 or later.
LaserPlot allows users to convert drawings in HPGL and DXF format to EPS or PICT for import into Macintosh applications, where they can be cropped, rotated, skewed, colored, etc. Color and line thickness are retained, or users can assign line thicknesses and colors for each of eight pens used in the original file. Users can use batch mode to convert entire libraries at once, and run in the background while doing other things. Users can also precisely scale the drawing, use multiple zoom levels, etc. LaserPlot can also save in Adobe Illustrator or Aldus FreeHand formats for opening directly in those applications.
$795 retail
MacVONK Canada Inc.; 940 6th Ave. SW, #1100; Calgary, Alberta, Canada T2P 3T1; 403-232-6545, 403-232-6425 (fax) or (49) 9134-7447 (in Europe)

Last Resort 1.1
Utility for recovering lost text
Macintosh Plus or larger; System 6.0.2 or later.
Last Resort, a typing recovery program, allows users to recover text that was typed and deleted, and text that was typed and never saved. It records every keystroke without slowing down a user's typing. Keystrokes are saved to Last Resort keystroke files on the hard disk. When users need to recover text, they can use any word processor to open and edit the text in a Last Resort keystroke file. For easy identification, the keystroke files are named with the time and date of their creation. To install Last Resort, users copy the program into the System Folder. After restarting the Macintosh, every keystroke is saved automatically to a file in the Last Resort folder. The program is controlled from the Control Panel. In the Control Panel, users may: set the number of keystrokes that are typed before the keystrokes are saved to the keystroke file; set the number of seconds that the Macintosh has remained inactive before keystrokes that haven't been saved to the Last Resort keystroke file are saved; disable Last Resort; and select unwanted keystroke files for deletion. Last Resort can also be used to rebuild a document when text can't be extracted from a corrupted document. Last Resort is System 7 compatible.
$49.95 suggested retail
Working Software, Inc.; PO Box 1844; Santa Cruz, CA 95061; 408-423-5696, 800-229-9675 or 408-423-5699 (fax)

Launch-N-Go
Provides transparent compression for applications
Macintosh 512KE or larger (68020 recommended for compressing files); System 6.0 or later.
Launch-n-Go is an innovation in application compression technology for developers, distributors and publishers. It provides transparent compression for applications and requires neither decompression nor installation — applications run in compressed form. Users simply launch applications and go to work as usual. There is no decrease in performance, but some applications may actually perform better. Launch-n-Go averages more than a 40 percent compression ratio, but can achieve 50 percent or better in some instances. Launch-n-Go can also compress an application's help files and other support documents. Besides the fact that it may require fewer disks to distribute a product, Launch-n-Go also simplifies the installation process — an application that required two disks may now require only one, allowing users to simply drag it from the product disk to their hard disk. Launch-n-Go uses System 7's compression support and is compatible with System 6.
$200 per year retail; license
Mi Concepts; PO Box 8822; Kentwood, MI 49508; 616-765-3312, ext. 14 or 616-765-3325 (fax)

Lights Out Sports Fans
Screen saver
Macintosh with 68020 or larger processor; 2 MB of RAM; System 6.0.5 or later; hard disk drive.
Lights Out Sports Fans uses authentic team logos to prevent dangerous screen burn-in by detecting inactivity and displaying one of 10 user-selected Game Plans. Because sounds are as important as the action, Lights Out Sports Fans allows fans to hear the roar of

the crowd and other game sounds. Users can choose from Collegiate, Major League Baseball, National Hockey League, National Basketball Association and National Football League. Features include: officially licensed logos by conference (users select Home and Visitor teams from a pull-down list); furnishes 10 (12 for Collegiate) customizable Game Plans (users set the game rules by modifying items, such as home or visiting teams, sound volume, speed of actions, period/inning/quarter to start and messages, which appear on banners or scoreboards); creates the feel of being part of the action by emitting a range of sounds relating to on-screen events; guarantees a home team victory when Home Team Advantage is selected or allows games to be decided randomly using actual baseball/football/basketball/hockey statistics; and permits users to determine the length of inactivity required before the screen saver activates. It also includes team logo wallpaper and password security.
$55 each retail
Quadrangle Software; 305 E. Eisenhower Pkwy., Ste. 208; Ann Arbor, MI 48108; 313-769-1675, 800-253-8397 or 313-769-1695 (fax)

MacBarcoda
Produces commercial-quality bar codes in-house
Macintosh Plus or larger.

MacBarcoda is a desk accessory used to produce commercial-quality bar codes in-house. It allows users to create UPC, Code 39, Interleaved 2-of-5, EAN, ISBN and ISSN bar codes within specifications defined by official standards bodies, such as AIM, the UCC and the ANA. A UPC code, for example, can be adjusted in between 80 and 200 percent of the nominal size in .1 percent increments; code height is separately adjustable to allow for bar-code truncation. To ensure accuracy of the final printed code, MacBarcoda allows bar width reduction adjustments in increments as small as .00004 inches. The bar code is saved as an EPSF, which can be imported into a wide variety of design packages and printed on any PostScript device. MacBarcoda is also available in an Illustrator- and FreeHand-compatible color version.
$195 to $295 retail
ComputaLabel Inc.; 28 Green St.; Newbury, MA 01951; 508-462-0993, 800-289-0993 or 508-462-9198 (fax)

MacDiskManager
Software that prints disk directories on either NoLabel-System inserts or Rolodex cards to organize and identify disks
Any Macintosh.

MacDiskManager provides for the automatic management of Macintosh disks without using any adhesive labels. It reads the directory information from floppy disks and formats, displays and prints the editable information on either Rolodex file cards or on Weber's NoLabelSystem tabbed insert cards, which are made to fit into a plastic pocket that is permanently affixed to the disk. In addition, the software prints the date and a user's choice of numbering methods. MacDiskManager is bundled with the NoLabelSystem kit. Each kit contains 100 clear plastic pockets, 200 insert cards and 100 white tractor-feed Rolodex file cards.
$19.95 retail; MacDiskManager only
$29.95 retail; bundled with NoLabelSystem
Weber & Sons, Inc.; PO Box 104-PR; Adelphia, NJ 07710; 908-431-1128, 800-225-0044 or 908-431-9578 (fax)

MacDrive Probe
Thoroughly evaluates the performance of Macintosh 1.4 MB FDHD SuperDrives
Macintosh Plus or larger; System 6.0.4 or later.

Using HRD (High Resolution Diagnostic) alignment diskettes, MacDrive Probe allows users to thoroughly evaluate the performance of Macintosh 1.4 MB FDHD SuperDrives. When used with 800K drives, MacDrive Probe can perform extensive read/write testing or function as a complete exerciser unit for drive testing with Accurite Analog Alignment Diskettes. The Automatic Sequence function allows users to run all or selected tests on a specified 1.4 MB SuperDrive. In the Manual Testing mode, users can perform one alignment test of their choice, in real time, and results are continuously updated and displayed on the screen, facilitating viewing of results of any adjustments as a user is making them to the drive. Tests include spindle motor speed, azimuth head alignment, diskette eccentricity, positioner hysteresis, radial head alignment, read/write, effective head width, track zero adjustment and index to data time, with additional disk drive exerciser functions.
$149 retail
Accurite Technologies Inc.; 231 Charcot Ave.; San Jose, CA 95131; 408-433-1980 or 408-433-1716 (fax)

MacDrive Probe Service Depot Edition
Thoroughly evaluates the performance and checks the condition of Macintosh 1.4 MB FDHD SuperDrives
Macintosh Plus or larger; System 6.0.4 or later.

MacDrive Probe Service Depot Edition features high-resolution alignment diskettes, allowing users to thoroughly evaluate the performance and check the condition of Macintosh 1.4 MB FDHD SuperDrives. When used with 800K drives, MacDrive Probe can perform extensive read/write testing or function as a complete exerciser unit for drive testing with Accurite Analog Alignment Diskettes. MacDrive Probe Service Depot Edition also offers the MDIM (MacDrive Probe Interface Module), an external test board designed with numerous features for facilitating volume bench repair of floppy drives. LED indicator lights and test points allow ready monitoring of drive control signals. A Macintosh computer can be set up as a test station, for quick testing of drives connected to the MDIM, while at the same time isolating the drives and protecting the Mac from drive electrical malfunctions. Power to the drive can also be turned on and off conveniently through the Service Depot Edition software.
$399 retail
Accurite Technologies Inc.; 231 Charcot Ave.; San Jose, CA 95131; 408-433-1980 or 408-433-1716 (fax)

MacEKG 2.0
Diagnostic software
Macintosh Plus or larger.

MacEKG is a diagnostic initialization program (INIT) that administers a regimen of logic-intensive diagnostic performance tests each time users boot their machine. The program logs previous test results, which are user accessible through a CDEV, and uses this information to track performance history and warn of possible future failure. By learning and displaying the individual system's performance characteristics and alerting a user of any deviation, MacEKG provides users with virtual "gauges" to analyze how alterations such as the installation of INITs, CDEVs and other modifications affect their system. MacEKG can also warn of possible corruption within these items. A companion application, Restarter, is included. Restarter is primarily for a service technician to perform burn-testing for both pre- and post-machine repair. It allows a technician to configure the machine under test to continually reboot, allowing MacEKG to provide a long, historical log of the computer's condition and exposing any troubled faculties.
$150 retail
MicroMat Computer Systems; 7075 Redwood Blvd., Bay 4; Novato, CA 94947; 415-898-6227, 800-829-6227 or 415-897-3901 (fax)

■ **MacJuke CD**
Jukebox controller software
Macintosh Plus or larger; 2 MB of RAM.

MacJuke CD is CD jukebox controller software that supports all popular jukeboxes with advanced features to maximize performance. A RAM cache allows users to cache frequently used data in the Macintosh RAM so the jukebox doesn't have to be accessed. Often used data is automatically kept in the RAM cache so that data is instantaneously accessed. The File cache retains directory information of mounted cartridges on the Macintosh internal drive so that searches and finds are quick. This feature also eliminates the cartridge swapping that occurs with other drives. MacJuke CD provides ease of use when importing, exporting, mounting and unmounting CDs. A clear listing displays all CDs and their titles.
Call for pricing
MacPEAK; 3701 Bee Cave Rd.; Austin, TX 78746; 512-327-3211 or 512-327-9553 (fax)

MacJuke MO
Jukebox formatting and controller software
Macintosh Plus or larger; 2 MB of RAM.

MacJuke is jukebox formatting and controller software that supports all popular optical jukeboxes with advanced features to maximize performance. A RAM cache allows users to cache frequently used data in the Macintosh RAM so the jukebox doesn't have to be accessed. Often used data is automatically kept in the RAM cache so that data is instantaneously accessed. The File cache retains directory information of mounted cartridges on the Macintosh internal drive so that searches and finds are quick. This feature also eliminates the cartridge swapping that occurs with other drivers. MacJuke provides ease of use when importing, exporting, formatting, initializing, mounting and unmounting cartridges. Cartridges can be spanned to decrease the number of desktop icons and create large volumes. A clear cartridge listing displays all available cartridges and their titles. Cartridges are constantly monitored for defects and can be repaired if necessary.
Call for pricing; varies depending on jukebox
MacPEAK; 3701 Bee Cave Rd.; Austin, TX 78746; 512-327-3211 or 512-327-9553 (fax)

MacKeymeleon II V1.0
Custom keyboard utility
Any Macintosh.

MacKeymeleon allows a user to design custom keyboard configurations for foreign languages and other specialized needs such as Dvorak. The program allows users to reassign any key and gives full control over diacritical marks, dead keys and "key board switching."
$119.95 retail
Avenue Software, Inc.; 2162 Charest Blvd. W; Sainte-Foy, Quebec, Canada G1N 2G3; 418-682-3088 or 418-681-1055 (fax)

MacQwerty 3.1
Dvorak and custom keyboard reconfiguration with overlays
Any Macintosh.

MacQwerty reconfigures a keyboard to Dvorak layout. It allows users to create custom keyboard configurations, including one-handed layouts, by first deciding the characters to be moved. A user then types (into any word processor document) the list of characters to be changed and a replacement list. MacQwerty is System 7 compatible.
$45 retail; includes overlays
Nisus Software, Inc.; PO Box 1300; 107 S. Cedros Ave.; Solana Beach, CA 92075; 619-481-1477, 800-922-2993 or 619-481-6154 (fax)

■ **Magic Cursor**
Cursor does mouse functions
Macintosh Plus or larger; System 6.1 with Multifinder or System 7.

Magic Cursor is a "Universal Dwell Selection" utility that allows simple motions of the cursor to do the functions of the mouse button. This eliminates the need for a switch to do clicks, double clicks and drags. It will especially be of interest to those with a physical disability and are using some form of pointing access to control the computer. Magic Cursor has intelligence built in to automatically do certain functions, such as pulling down menus and clicking the close box, just by pointing to them. Used with HeadMouse, Magic Cursor give users full control of the computer by moving any part of their body without having any wires attached or wearing any equipment.
$195 retail; free demo disk available
Madenta Communications, Inc.; 9411 A 20th Ave.; Edmonton, Alberta, Canada T6N 1E5; 403-450-8926, 800-661-8406 or 403-988-6182 (fax)

Magic Typist 2.0
Utility that lets the Macintosh do repetitive typing
Macintosh Plus or larger.

Magic Typist is a utility that works with any word processor, text editor or programming language to relieve users of the chore of typing long words, phrases and paragraphs over and over again. Users simply invoke Magic Typist's auto-learn feature and indicate after how many letters they wish Magic Typist to finish the word, sentence or entire paragraph. Users can have

These Products Available Through Bottom Line Distribution
1-800-347-1923

Magic Typist alert them to a word, or have it quietly carry on typing.
$129 retail
Olduvai Corp.; 9200 S. Dadeland Blvd., Ste. 725; Miami, FL 33156; 305-670-1112, 800-548-5151 or 305-670-1992 (fax)

Magnet 1.0
Intelligent agent
Macintosh Classic or larger; System 7.0 or later.

Using Magnet is like having a top notch staff of personal assistants to manage a user's files. Users tell Magnet once what to do — synchronize files between a PowerBook and office Macintosh, back up important files or continually search across the network for the most recent copy of a shared file, for example — and it will follow instructions flawlessly, on time, forever. Synchronizing files between a PowerBook and office Macintosh is as easy as pointing at two folders. By utilizing powerful agent technology, the synchronization will occur from then on automatically — even periodically from remote locations over the phone lines. Special features safeguard against overwriting important data and out of sync clocks. Its core search engine doubles as a multiattribute find file and file manager, giving users an outstanding value. A point-and-click interface makes automating all file-related tasks a breeze.
$129.95 retail
No Hands Software, Inc.; 1301 Shoreway Rd., #220; Belmont, CA 94002; 415-802-5800 or 415-593-6868 (fax)

Mantis Free Pattern Product Bundle
Provides automated customization of the desktop background; and access to the growing community of users who utilize the dynamic Pixel Pattern graphic
Macintosh Classic or larger; System 6.0.5 or later running MultiFinder or System 7.0 or later.

The Free Pattern Product Bundle offers online service users $100 worth of Pixel Pattern ("ppat") savvy products free of charge. It is available only to users of online services, including the Internet. Users will receive the Living Desktop, an application that provides automated customization of the Macintosh desktop background; and EAC Online Connection Kit, which contains the software necessary to establish a modem connection with EAC Online, providing full electronic access to EAC artwork, support documents, demonstration software, artist profiles, contests and other EAC materials.
Free
Mantis Development Corp.; 1357 Washington St.; West Newton, MA 02165; 617-969-6434, 800-230-6434 or 617-739-6328 (fax)

Mantis Living Desktop 2.0 With Desktop Dimmers
Offers both desktop pattern installation and screen saver technology in a single product
Macintosh Classic or larger; System 6.0.5 or later running MultiFinder or System 7.0 or later.

Living Desktop combines automated desktop pattern installation with state-of-the-art Desktop Dimmer screen saving technology all in a single, highly efficient and stable background application. Requiring minimal RAM and disk resources, Living Desktop launches at startup and runs quietly in the background while users go about their work. Desktop patterns are installed based on a user-defined timer, or manually. Desktop Dimmers are small, self-contained screen saver applications that make extensive use of Pixel Pattern graphics for dazzling displays. Desktop Dimmers are sub-launched by Living Desktop after a user-specified period of keyboard and mouse inactivity, and may also be manually launched. Entirely application based, both pattern installation and Desktop Dimmer technologies are efficient and reliable. No system modification or Control Panel/Extension (INIT) is required.
$59.95 retail
Mantis Development Corp.; 1357 Washington St.; West Newton, MA 02165; 617-969-6434, 800-230-6434 or 617-739-6328 (fax)

Mantis Pattern Manager
Creates and manages Pixel Pattern graphics
Macintosh Classic or larger; System 6.0.5 or later running MultiFinder or System 7.0 or later.

Pattern Manager provides professional-quality tools for use in creating and managing the popular Pixel Pattern ("ppat") graphic. A companion product to Living Desktop, Mantis Development's unique desktop pattern utility, Pattern Manager permits users to create and manage seamless, tileable Pixel Patterns using sophisticated tools specifically designed for use with these images. Features include: "Pattern Link" tool, allowing users to create patterns from within any graphics application; "Desktop Preview" tool installs any pattern on the Macintosh desktop, even during the design process; integrated copyright system provides permanent copyright protection and artist credit for each pattern; "Quick-Edit" tool provides instant access to pattern text for fast entry and editing; 3-D toolbar provides one-button access to pattern tools; ability to manage multiple pattern files at once; import/export via the Clipboard and PICT file format; ability to view patterns in a variety of standard sizes, in addition to custom configurations; supports more than 30,000 patterns per file, 256 colors per pattern and a variety of sizes up to 256 by 256 pixels; and a 90-day money-back satisfaction guarantee.
$59.95 retail
Mantis Development Corp.; 1357 Washington St.; West Newton, MA 02165; 617-969-6434, 800-230-6434 or 617-739-6328 (fax)

MasterClock
Synchronizes the clocks of Macintoshes on a network
Macintosh Plus or larger; System 7.0 or later.AppleTalk network.

MasterClock solves the problem of synchronizing the clocks of Macintoshes on a network. It is a set of control panels and background applications that allow users to designate an official Macintosh clock on an AppleTalk network and synchronize the clocks of other Macintoshes on the network to it. The MasterClock Server is installed on the Macintosh that is to serve as the official clock. The MasterClock Client is installed on every other Macintosh on the network that is to be synchronized with the official clock. Once per hour, each MasterClock Client requests the official date and time from the MasterClock Server and sets its own clock accordingly. MasterClock includes the MasterClock Server, the MasterClock Client, a detailed instruction booklet and a 30-day, money-back guarantee.
$25 retail; MasterClock Server
$15 retail; each MasterClock Client
The Vermont Software Co., Inc.; PO Box 731; Wells River, VT 05081; 802-757-8000 or 802-757-3234 (fax)

MasterJuggler
Utility that allows users to juggle applications and their windows, select from running and predefined applications, play or convert most sounds and more
Macintosh 512KE or larger; System 4.1 or later; System 6.0 and Finder 6.1 or later recommended.

MasterJuggler contains all of the features in Font/DA Juggler Plus and more. It greatly extends the power of the Macintosh by giving users access to unlimited numbers of fonts, DAs, Fkeys and sounds. Users can instantly open up to 120 of these resource files. There is no need to install them in the System file. MasterJuggler also lets users start applications and their documents or switch between them from a convenient pop-up window.
$49 retail
Alsoft, Inc.; PO Box 927; Spring, TX 77383; 713-353-4090 or 713-353-9868 (fax)

Maxima 3.0
24-bit mode memory extension
Macintosh II with PMMU or 68030/68040-based Macintosh, including Power Macintosh; 8 MB of RAM; System 6.0.7 or later.

Maxima creates a double capacity RAM disk from a Mac's memory. The RAM disk is just like a hard disk, only faster. Users click and the Maxima Automatic Setup creates a RAM disk pre-loaded with their system and favorite applications. With the System Folder on the RAM disk, the Mac will start up in a snap. Maxima makes routine operations and sluggish disk-intensive applications become lightning fast. Maxima's RAM disk is permanent. Users don't need to worry about backing up the RAM disk because Maxima does it automatically. Files are preserved and protected during Restarts, Shutdowns and even system crashes. Maxima's RAM disk is double capacity so users can put twice as much on the RAM disk. That's especially ideal for PowerBook users. The RAM disk saves battery power and makes a PowerBook faster.
$99 retail
Connectix Corp.; 2600 Campus Dr.; San Mateo, CA 94403; 415-571-5100, 800-950-5880 or 415-571-5195 (fax)

■ **Measure**
On-screen measurement and scales
Any Macintosh; System 6.0 or later.

Measure uses the position of the mouse cursor to measure any image displayed on the computer screen. Any scale of measurement may be defined. Measurements are displayed in a small relocatable window so that the cursor may be used to measure images on video displays. Measure is extremely easy to operate. Users enter a scale factor, set a point of origin, and the measurement window will continuously display the distance to the current cursor location in the specified units. The angle from the set origin and the current position is also displayed, so the vector between the two locations is the angle and the distance. Vertical and horizontal scales (rulers) may be displayed for any defined scale and unit of measurement — from micrometers to miles. Users can copy the custom scales from Measure and paste into their image or diagram document. Measure is System 7 compatible.
$60 U.S. retail
Pierre Zippi, PAZ Graphics; 18640 Roads End Cir.; Eagle River, AK 99577; 907-696-5702

MenuFonts 4.2
Replaces pull-down Font menu with a custom Font menu that displays font names in their own typeface
Macintosh 512KE or larger.

MenuFonts is an INIT that replaces the standard Font menu with a custom Font menu that displays each font name in its own typeface. It groups, reorganizes and shortens font menus. MenuFonts is configurable. Users decide whether entire font families should appear on their own submenu or remain together on the Font menu. To speed font selection, MenuFonts includes a feature called KeyScroll. Pulling down the Font menu and typing the first letter of a font name immediately scrolls the menu to select the font. Moving the mouse into the MenuFonts optional FontShow Bar pops up examples of the selected font in several sizes. MenuFonts indicates the font type (PostScript, TrueType, MultiMaster or Bit Map) right on the font menu and much more.
$69.95 retail
Dubl-Click Software, Inc.; 20310 Empire Ave., Ste. A102; Bend, OR 97702; 503-317-0355 or 503-317-0430 (fax)

MicroMath Calc
Scientific worksheet
Macintosh Plus or larger.

MicroMath Calc is a scientific math worksheet allowing multiline problems with notes to be solved, saved and edited, much like engineering notebooks. It comes with a calculator for "on-the-fly" calculations and unit conversions. The product is for anyone needing calculations, including scientists, mathematicians and engineers. All standard functions are provided, plus number theory functions. Also, financial, statistical, probability and date/time functions are included. Real numbers, complex numbers, real number intervals and Gaussian numbers (real numbers with associated errors) are some of the basic types built into the worksheet and calculator. Standard functions are accurate to 18 digits and calculations are IEEE compliant. Each number carries along with it information about associated units and unit systems. It offers unit calculations with unit factoring and dimensional analysis. The calculator is RPN and Algebraic and has 25 scrollable levels that are displayed with various views, including hex, fractional, hours-minutes-seconds, etc. More than 100 functions and 400 units are supported.
$99 retail
MicroMath Scientific Software; Box 21550; 2469 E. Fort Union Blvd.; Salt Lake City, UT 84121; 801-943-0290, 800-942-6284 or 801-943-0299 (fax)

MicroProbe ADB
Diagnostic device
Macintosh SE or larger.

MicroProbe ADB is a diagnostic device for Macintosh computers. It tests the full scope of any given system's ADB circuit. MicroProbe ADB can accurately diagnose faulty ADB cables, keyboards, mouse devices, filters, fuses, transceiver and VIA chips. Service technicians, consultants and system administrators will appreciate the diagnostic features of MicroProbe ADB. The device can even diagnose non-bootable systems or computers displaying a Sad Mac. MicroProbe ADB makes testing external ADB devices easy. Most technicians must rely on additional or replicate devices for testing ADB functionality. If a keyboard is suspect, the technician would normally either hook the keyboard to another machine or attach another keyboard to the suspect computer. With MicroProbe ADB, the technician can monitor ADB communication signals and verify operation of both the keyboard and the bus without additional equipment.
$99 retail
MicroMat Computer Systems; 7075 Redwood Blvd., Bay 4; Novato, CA 94947; 415-898-6227, 800-829-6227 or 415-897-3901 (fax)

MicroRX
Repair reference software
Macintosh Plus or larger.

MicroRX is repair reference software. With MicroRX, anyone who can operate a soldering iron can repair the Macintosh. With a few clicks of the mouse, users can diagnose and isolate a faulty component in just a few minutes. There is no need for expensive test equipment, sterile environments or a college degree. All users need is a few basic hand tools, an ohm meter and MicroRX.
$99 retail
MicroMat Computer Systems; 7075 Redwood Blvd., Bay 4; Novato, CA 94947; 415-898-6227, 800-829-6227 or 415-897-3901 (fax)

Minuteman LANMaster Intelligent Software
Provides immediate information on the power status of Minuteman UPSs
Any Macintosh.

LANMaster is a software package that provides immediate information on the power status of Minuteman uninterruptible power supplies. LANMaster communicates the power problems detected by the UPS and provides a detailed report on their status, such as: temperature, momentary disruption, power failure, battery low and power restored. The software monitors servers and workstations and offers remote notification and automatic shutdown. LANMaster ensures complete monitoring of all commercial power problems and computer network power conditions.
$119 retail
Minuteman UPS; 1455 LeMay Dr.; Carrollton, TX 75007; 214-446-7363, 800-238-7272 or 214-446-9011 (fax)

MockPackage Plus Utilities 4.4
Collection of 10 desk accessories and utilities
Macintosh 512K or larger.

MockPackage Plus Utilities is a collection of 10 desk accessories. MockWrite lets users create, edit, read and print text files. MockChart converts numbers into charts or graphs 3 columns by 100 rows. MockPrinter prints in the background on ImageWriter printers and will print text files of any length. MockTerminal is a simple telecommunications desk accessory that offers modem file transfer. EZ-Menu is a Control Panel Device that allows keyboard control of menus. Aask is a Control Panel Device that allows users to selectively turn on and off startup utilities. Control-1 enables users to specify which Control Panel Device will appear upon opening the Control Panel. FolderShare is a Control Panel Device for AppleShare users that enables users to specify default settings for access privileges. LaserStatus is a desk accessory that monitors the use of LaserWriters and other PostScript printers. Widgets is a potpourri of utility functions that allows users to select special paper sizes for the ImageWriter and ImageWriter LQ, create custom start-up screens and convert PICT files to paint files.
$49.95 retail
PrairieSoft, Inc.; PO Box 65820; West Des Moines, IA 50265; 515-225-3720

More After Dark, Volume 1
More than 25 new displays for After Dark
Macintosh Plus or larger; After Dark 2.0 or later.

More After Dark, Volume 1 contains more than 25 new screen-saving displays for use with After Dark. Race through colorful caverns or mow down the screen with contest winners Tunnel and Mowin' Man. Build mountains, view planets from space or watch crazy kittens frolic. Visit ducks in their confetti factory, be surrounded by howling coyotes or relax on a flower covered hillside as seasons change. More After Dark includes Lunatic Fringe, a space game from the creator of Solarian II; more beautiful fish files to import into the Fish! display; and an After Dark Updater, which converts After Dark 2.0 to full System 7 compatibility.
$39.95 retail
Berkeley Systems, Inc.; 2095 Rose St.; Berkeley, CA 94709; 510-540-5535, 800-877-5535 or 510-540-5115 (fax)

More Kaboom!
100 more sounds for use with Kaboom!
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; Kaboom!; System 6.0.4 or later.

More Kaboom! contains more than 100 more sounds for use with Kaboom!, including zany music, Hollywood-quality sound effects and dialog from TV shows like Bewitched, Dennis the Menace, All in the Family, Mr. Ed, I Dream of Jeannie, Woody Woodpecker, The Honeymooners and more. More Kaboom! is loaded with entertaining and consistently realistic sounds.
$39.95 retail
Nova Development Corp.; 23801 Calabasas Rd., Ste. 2005; Calabasas, CA 91302; 818-591-9600, 800-395-6682 or 818-591-8880 (fax)

Mug Shot Lite 1.34
Diagnostic utility
Macintosh 512K or larger.

Mug Shot Lite is a diagnostic utility that creates a document listing vital system information, such as the Macintosh model, processor type, keyboard type, System version, MultiFinder version, ROM version, AppleTalk version and installed RAM memory, and determines what type of Floating Point Unit (FPU), Memory Management Unit (MMU) and QuickDraw type is available. Mug Shot Lite also lists installed desk accessories, startup documents, control panel devices and function keys, which include version numbers if available. This information can aid a product developer or microcomputer manager in finding the cause of a problem. Mug Shot Lite is System 7 compatible.
$30 retail; annual subscription
Mi Concepts; PO Box 8822; Kentwood, MI 49508; 616-765-3312, ext. 14 or 616-765-3325 (fax)

MultiClip Pro 3.1
Clipboard enhancement utility that allows multiple, editable Clipboards, Scrapbooks and slideshow
Macintosh Plus or larger.

MultiClip is a Clipboard and Scrapbook enhancement utility. It allows a user to have multiple Clipboard "ClipFrames" and Scrapbooks, access them instantly, Cut/Copy and Paste, edit or select parts of elements cut or copied to the Clipboard, view Clipboard contents at different enlargement settings and transfer multiple Clipboard contents to the Scrapbook at any time. MultiClip is easy to use and works transparently with all popular applications. It is not copy protected, and online help is always available. MultiClip is System 7 compatible, including Publish & Subscribe, Photoshop plug-in support, Balloon Help and cut, copy, paste and play support for sound, and is QuickTime savvy.
$149 retail; includes free copy of Safe or Sorry
Olduvai Corp.; 9200 S. Dadeland Blvd., Ste. 725; Miami, FL 33156; 305-670-1112, 800-548-5151 or 305-670-1992 (fax)

MyDiskLabeler III
Disk utility that lets users design and print disk labels and directory reports
Macintosh Plus or larger; System 6.0 or later.

MyDiskLabeler allows users to design disk labels in a free-form "draw" environment. Users can create text, serial number, graphic and directory objects with patterns and colors. Icons and graphics can be imported in bit-map, PICT, PICT2 and EPS formats. Users can display and print complete directory reports, export directory data to other programs or quickly merge selected directory data directly onto labels — either one label at a time or read many disks in a single batch. Up to 100 15-character file or folder names can be placed on a label using the efficient micro-directory format. It prints case inserts and labels for SyQuest removable hard drives. Printing is precise and easy — just align the form in the printer and go. MyDiskLabeler is System 7 compatible.
$80 retail
Williams & Macias, Inc.; 3707 S. Godfrey Blvd.; Spokane, WA 99204; 800-752-4400

NetScrap
Multiuser network scrapbook application
Macintosh Plus or larger; System 7.0 or later.

NetScrap is a multiuser network scrapbook application that uses client-server database technology to provide fast and flexible access to graphics, sounds, QuickTime movies, text files and any other type of Macintosh document. NetScrap is as easy to use as the standard Macintosh Scrapbook, but much more powerful. Finding the exact items users are interested in is a breeze. Matches can be requested based on a number of criteria, including description, type, keyword, contributor and creation date. Megabytes — even gigabytes — of data can be searched in seconds. The thumbnail view allows users to see multiple items at once. NetScrap does not require separate file server software to provide network access. It supports both Program Linking and the Communications Toolbox (modem, ADSP, etc.) connections to the server.
$295 to $995 retail
Everyware Development Corp.; 6543 Mississauga Rd.; Mississauga, Ontario, Canada L5N 1A6; 905-819-1173 or 905-819-1172 (fax)

Now Compress 1.0.1
Doubles a user's disk space and reduces file transfer times
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later.

Now Compress is a fast, easy and safe way to automatically double a user's disk space and reduce file transfer times. It offers automatic, on-demand and archival compression in one easy-to-use application. It provides the industry's fastest and tightest compression, and protects files even through power failures. It is available in single and 50 packs.
$69 retail; single user
$2,699 retail; 50 pack
Now Software, Inc.; 921 SW Washington, Ste. 500; Portland, OR 97205; 503-274-2800, 800-237-3611 or 503-274-0670 (fax)

Now Fun! 1.0.1
Allows users to customize their system environment for fun and entertainment
Macintosh Plus or larger; 2 MB of RAM; System 7.0 or later.

Now Fun! allows users to customize their system environment for fun and entertainment. FunPictures beautifies the desktop with patterns, images or even company logos. FunSounds will play hilarious or informative sounds for specific system activities, and FunColors adds color to windows, menus and dialog boxes. Colorful, animated cursors from FunCursors will keep users chuckling. FunScreenSavers provides both additional security and hours of entertainment when the Macintosh is idle — it will even play screen saver modules from Berkeley Systems' After Dark and More After Dark collection. Now Fun! includes 100 sounds, 60 cursors, 30 screen savers, 40 desktop images and patterns, 25 color schemes for windows and controls and the ability to add or create more of everything.
$45 retail; single user
Now Software, Inc.; 921 SW Washington, Ste. 500; Portland, OR 97205; 503-274-2800, 800-237-3611 or 503-274-0670 (fax)

Now Utilities 4.0.2
System enhancement utilities
Macintosh Plus or larger; 2 MB of RAM; System 7.0 or later.

These Products Available Through Bottom Line Distribution
1-800-347-1923

Now Utilities has been developed to provide a complete set of file and system management tools. The package of seven powerful utilities allows users to customize their Macintosh to streamline day-to-day activities and to greatly reduce desktop "navigation" time. This collection is fully tested and designed to work together on any System 7 Macintosh. The collection comes with a 30-day money-back guarantee and telephone access to customer service and technical support. NowScrapbook will help users to view, organize, transfer and catalog graphics, text, sound and animation (QuickTime movies). NowMenus allows users to customize and extend the Apple menu or any of several other pull-down or pop-up menus. WYSIWYG Menus groups fonts by family and displays font menus in their presentation typeface. SuperBoomerang helps users quickly navigate through folders by keeping track of most frequently used documents and folders. StartUp Manager controls the loading of extensions and Control Panels upon startup. NowSave protects against data loss in System crashes or power failures by automatically saving a user's work. Profiler helps users track System problems by providing an analysis of their System configuration.
$129 retail; single user
$4,599 retail; 50 pack
Now Software, Inc.; 921 SW Washington, Ste. 500; Portland, OR 97205; 503-274-2800, 800-237-3611 or 503-274-0670 (fax)

OffLine
Disk management utility
Macintosh Plus or larger; System 6.0.5 or later.

OffLine was designed and optimized to manage unmounted disks and files (offline storage). It is unique in addressing a need unmet by utilities designed principally for hard disk management. OffLine is a specialized database management system that maintains a database on a hard disk, containing information about unmounted disk volumes and documents on them. To give a user easy access to the database, the application uses four engines: the Catalog Engine gathers information from offline disks and stores it in the database; the Search Engine offers an extremely powerful and flexible environment for locating files on offline disk volumes; the Print Engine creates an adhesive disk label (for each of a group of user-selected disks) that includes the disk's name and a list of the documents it contains; and the Export Engine extracts the database information and saves it in formats useable by virtually any other application, including word processors, database management systems and spreadsheets. OffLine is System 7 compatible.
$99.95 retail
SNA, Inc.; 2200 NW Corporate Blvd., Ste. 404; Boca Raton, FL 33431; 407-241-0308, 800-628-6442 or 407-241-3195 (fax)

On Cue II
File launching utility
Macintosh Plus or larger.

On Cue II gives users more control over their System 6 or 7 Macintosh desktop. It increases productivity by eliminating time-consuming steps. With On Cue II, users can instantly launch any file or application, or simultaneously launch a group of files and applications — without opening layers of folders — with a single mouse click. For example, users can group all of the documents required to make a presentation — word processor, spreadsheet and paint program files — and launch it all with one mouse click from a pop-up menu. KeyLauncher allows users to quickly launch any file from the keyboard, without opening layers of folders, by typing all or part of its name. Users can return to work on a recently-used document by retrieving a list of up to the last 100 files used and launch any of them instantly. MatchMaker conveniently launches files that have missing applications by assigning another application of a user's choice. With File Search, users can quickly locate files by using the following search criteria: file name, file format (e.g., TIFF, PICT), creator application, dates created or modified, file size or any combination of these criteria. From within any application, users can instantly find, get info, copy, move, delete and rename files or folders without using the Finder. With On Startup, users can easily manage programs that load when the computer is turned on (e.g., system extensions, control panels) by defining the priority and groupings in which these programs are loaded into the computer. Ten additional time-saving features are also provided.
$99.95 retail
Icom Simulations, Inc.; 648 S. Wheeling Rd.; Wheeling, IL 60090; 708-520-4440 or 708-459-7456 (fax)

On The Road
PowerBook connectivity utility
Macintosh PowerBook; 2 MB of RAM (4 MB recommended); System 7.0 or later.

On the Road is a Macintosh PowerBook connectivity utility designed specifically to ease the connectivity headaches of PowerBook users while taking their computers on the road. On the Road is a must for PowerBook owners who prepare documents while away from their office or home. When writing letters, memos or using any other application whose output needs to go to a printer, On the Road quietly defers any printed output until users connect to a network and then automatically prints while users attend to other tasks. On the Road is particularly attractive to owners of the PowerBook Duo 210 and 230 computers. With these computers, On the Road automatically configures connectivity settings specific to each docking station. On the Road is compatible with most PowerBooks, and takes advantage of Apple Events.
$99 retail
Connectix Corp.; 2600 Campus Dr.; San Mateo, CA 94403; 415-571-5100, 800-950-5880 or 415-571-5195 (fax)

Open Sesame! 1.1
Intelligent agent
Macintosh Plus or larger; System 7.0 or later.

Open Sesame! is a software assistant that sits in the background, observes user actions, learns repetitive patterns and offers to do them for the user — just like an ideal assistant would do. Open Sesame! performs a variety of tasks like opening and closing folders, documents and applications; Apple menu, desktop and start-up items management; trash disposal; window arrangement; and rebuilding the desktop. Not only does Open Sesame! learn from the user, but the user also has the option of giving instructions directly to Open Sesame! Users have complete control over how Open Sesame! communicates: as soon as an observation is learned, every Wednesday at 2:00 or whenever the user has time. Open Sesame! will increase desktop productivity by minimizing the number of mouse/keyboard clicks required to accomplish a given task.
$59 retail; to order direct, call 800-913-3535
Charles River Analytics Inc.; 55 Wheeler St.; Cambridge, MA 02138; 617-491-3474 or 617-868-0780 (fax)

OptiMem
Software memory upgrade
Macintosh Plus or larger; System 7.0 or later.

OptiMem is a new system extension that does exactly what its name implies — it optimizes the way the Mac uses memory. It gives users more usable memory, like a hardware upgrade. But it's 100 percent software so it installs in seconds, costs less and does more. OptiMem dramatically increases, often more than doubles, the hardware's ability to open applications and documents, and keep them open. OptiMem works like it's automatically adjusting the size of open applications. It loads applications into minimum-sized blocks of memory; then it constantly reallocates memory among applications while they're operating. So users waste less time quitting, resizing partitions and restarting just to expand or open documents. OptiMized applications will not run out until users have exhausted every byte. If users still manage to push their memory to the limit, OptiMem gives them plenty of warning. Then users can simply close a window or two in any application and keep on going. OptiMem is also designed to avoid compatibility problems.
$129 retail
Jump Development Group; 1228 Malvern Ave.; Pittsburgh, PA 15217; 412-681-2692 or 412-681-2163 (fax)

OutSpoken 1.7
Screen reading software for blind users
Macintosh Plus or larger; System 6.0.2 or later.

OutSpoken is a software-only solution that permits access to most Macintosh applications by persons who are blind or who wish to see and hear text simultaneously. OutSpoken uses speech output to read all text information on the screen (folder names, file names, menus, text files, spreadsheets, etc.). Users can read single letters, words, lines or a full screen of information at a time. All mouse commands, including clicking and dragging, can be executed via a set of keypad commands; additional keypad commands permit rapid access to the menu bar, close boxes and scroll bars. Commands can also be issued from the keyboard for Macintosh Plus or PowerBook users. Dictionaries for customizing the pronunciation of words and naming graphic objects are provided. Users can also specify how OutSpoken should communicate on-screen information (e.g., whether all, some or no punctuation should be pronounced), and control OutSpoken's speed, volume and pitch.
$495 retail
Berkeley Systems, Inc.; 2095 Rose St.; Berkeley, CA 94709; 510-540-5535, 800-877-5535 or 510-540-5115 (fax)

Parokhet
Judaic background scenes for use with WallPaper
Macintosh LC or larger; color monitor; WallPaper; System 7.0 or later.

Parokhet is a collection of exciting Judaic background scenes for use with WallPaper. These patterns include beautiful scenes of Israel, whimsical designs of Hebrew letters, Jewish holidays and more.
$19.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

PatchMaker V2.1
Generates patch programs that can be used to upgrade any Macintosh application
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.

PatchMaker is a utility for generating upgrade programs between any two versions of an application or data file. Patches created by PatchMaker require no licensing and are complete Macintosh programs that provide a convenient method to upgrade customers. Patches generated with PatchMaker are typically 10 to 20 percent of the size of the complete program (depending on the number of changes made). Patches are pirate-proof because a user must already have the old version to successfully use the patch. Features include: patches work on both the data and resource forks of any Macintosh file; "open patches" provide upgrades from any previous version of the software; custom patch interfaces with company icons, splash screens and patching information added automatically by PatchMaker; and an MPW tool is included for automatic creation of patches within MPW build scripts.
$495 retail
Everyware Development Corp.; 6543 Mississauga Rd.; Mississauga, Ontario, Canada L5N 1A6; 905-819-1173 or 905-819-1172 (fax)

PathFinder
Automated stack mapper
Macintosh Plus or larger; 1 MB of RAM.

PathFinder, the Automated Stack Mapper, sits in the background during a HyperCard session collecting information, and, when asked, draws a map showing a user where they are (on which card and in which stack) and where they may go from there. A user may then explore HyperCard by requesting a remap from different perspectives. PathFinder will also let a user view a card without activating any of the associated stack, background or card scripts, or will let a user go directly to a chosen card. It may be used for orientation purposes, as a debugging tool to check logic flow, or, by special license agreement, may be incorporated within other HyperCard products to provide a dynamic form of orientation help.
$59.95 retail
Silk City Software, Inc.; 94 Charles Ln.; Hebron, CT 06248; 203-228-0091

Peace Of Mind 2.0
Hardware diagnostic software
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later.

Peace of Mind is a diagnostic program that helps users determine if their Macintosh hardware is

operating correctly. It helps identify malfunctioning hardware, locate and analyze intermittent problems and verify correct operation of newly-installed hardware. The comprehensive reports, logs and status displays keep users informed of test progress and results. More than 150 hardware diagnostic tests can be run individually or in a user-selected group, using either the standard icon interface or the System 7-style "power user" interface. Tests can be run once for verification, or repeatedly to "burn-in" new components or to help find intermittent problems. The system, video and disk benchmarks give a clear graphic display of how a user's Macintosh is performing.
$99.95 retail
Diagsoft, Inc.; 5615 Scotts Valley Dr., Ste. 140; Scotts Valley, CA 95066; 408-438-8247 or 408-438-7113 (fax)

Peirce Print Tools
Printing utilities
Macintosh Plus or larger; QuickDraw GX; System 7.1. or later.

Peirce Print Tools is a collection of utilities and extensions for better Macintosh printing. It lets users personalize their printouts, share and manage printers and save money on toner, ink and paper supplies. It includes the following components: InkSaver, PaperSaver, CoverPage, Borders, WaterMarks, DoubleSider, Pamphleteer, BackToFront, PrintLogger and PrintLog Viewer.
$149 retail
Peirce Software; 719 Hibiscus Pl., Ste. 301; San Jose, CA 95117; 408-244-6554, 800-828-6554 or 408-244-6882 (fax)

Personality!
Interface utilities
Macintosh 512KE or larger; System 6.0 or later.

Personality! is a collection of interface utilities for controlling sounds, windows, menus and colors. Features include: Sounz!, assigns asynchronous audio to many Mac events; Kolors!, provides total control of the Mac's colors (effects menus, windows, controls and text highlighting); Menuz!, changes fonts and sizes in menu graphics; Windowz!, modifies the look and feel of windows; Kursor!, selects the color of a user's cursor (includes a rainbow colored cursor); and Controlz!, sets the style of a user's Mac interface and selects between normal and three-dimensional graphics formats.
$49.95 retail
Baseline Publishing, Inc.; 1770 Moriah Woods Blvd., Ste. 14; Memphis, TN 38117; 901-682-9676 or 901-682-9691 (fax)

Photo Screen Saver
Screen saver
Macintosh with 4 MB of RAM; hard disk drive; 8-bit color; System 7.0 or later.

Photo Screen Saver is a stand-alone screen saver application that can be customized by DeskTop Software to include corporate or institutional slogans, logos and images. This product offers a unique opportunity for users to promote corporate agendas and policies while providing the screen saving function at the same time. The ability to superimpose a logo on any image set or to have an image set consisting of corporate or institutional themes results in a refined business image. Several standard image sets are available, including college campus and geographically-specific sets. Additional image sets can be purchased or custom produced and added to the application by DeskTop Software or the end user.
$39.95 retail
DeskTop Software; 96 Phoenix Ave.; Enfield, CT 06082; 203-741-8535, 800-272-0490 or 203-745-4748 (fax)

PICTure This 2.0
Graphics file conversion utility
Macintosh SE/30 or II family; 1 MB of RAM; System 6.0 or later.

PICTure This is an application/desk accessory that converts a wide range of graphic file formats to PICT2. The PICT files can be used as is, or edited by most Macintosh software packages. In addition, the program allows users to save the converted PICT image into the Clipboard so that it can be pasted into another application. File formats supported include: Targa, CGM, Dr. Halo CUT, Gem IMG, Lotus PIC, Lotus BIT, PCX, Sun Raster, PixelPaint, IFF, GIF, RLE, TIFF, RIFF, X11 bit maps and MacPaint. Version 2.0 lets Macintosh users convert graphics imported from Windows, OS/2 and other platforms to PICT images. It will convert more than 20 formats, and adds 32-bit color conversion capability to previously supported formats.
$149 retail
FGM Softworks, Inc.; 131 Elden St., Ste. 108; Herndon, VA 22070; 703-478-9881

PixelPlay
The motion picture screen saver
Macintosh SE/30, II, Centris, Quadra, Performa or PowerBook family; QuickTime 1.5 or later (included); System 6.0.7 or later.

Relying on QuickTime technology, PixelPlay turns a user's screen into a collage of multimedia imagery by playing back any combination of video, sound, two- and three-dimensional animations or scanned images. PixelPlay is available in two versions: PixelPlay, a stand-alone application, and PixelPlay 4AD, a module for After Dark 2.0 and Star Trek screen saver engines. PixelPlay lets users customize the selection and playback of QuickTime movies. Users can play single movie files or entire folders full of movies in whatever order they wish and watch them make colorful collages while floating around the screen. PixelPlay 4AD has all the functionality of the PixelPlay application and it takes advantage of After Dark's sophisticated screen saving features, sleeping after a certain amount of time, monitoring system activity, sleep now and sleep never corners, etc.
$49.95 retail
Silicon Sports; 324 High St.; Palo Alto, CA 94301; 415-327-7900, 800-243-2972 or 415-327-7962 (fax)

PopupFolder
Finder navigator
Macintosh Plus or larger; 2 MB of RAM; System 7.0 or later.

PopupFolder is a powerful utility that speeds up folder access by letting users open documents, launch applications or even move files via a menu instead of the traditional double-click method. In the Finder, the Apple Menu, or even within the application, PopupFolder makes it easy to navigate through a hard disk by hierarchically displaying the contents of all the folders and volumes in a menu. Accessing a file is simply a question of dragging the mouse over the folders until users reach the item of their choice.
$59.95 suggested retail
Inline Software; 308 Main St.; Lakeville, CT 06039; 203-435-4995, 800-453-7671 or 203-435-1091 (fax)

Power To Go 2.0
Utilities offer extended battery performance, advanced security and usability enhancements
Macintosh PowerBook; System 7.0 or later.

Power To Go is a collection of utilities for the Macintosh PowerBook designed to extend the system's operation time between battery charges and enhance overall usability of the PowerBook environment. Power To Go intelligently handles battery power consumption and offers security for private data, screen saving, automatic menus, a choice of animated cursor locators, modem/fax and hard disk activity indicators, instant system sleep and a fast airport security check feature. Power To Go also supports settings for multiple users, as well as for different work environments. Version 2.0 of Power To Go includes the StuffIt SpaceSaver file compression utility, which transparently compresses a user's files and folders by an average of 50 percent.
$39 retail
Claris Clear Choice; 5201 Patrick Henry Dr.; PO Box 58168; Santa Clara, CA 95052; 408-987-7000, 800-325-2747 or 415-513-0985 (fax)

PowerBook File Assistant
File synchronization package
Macintosh PowerBook.

The PowerBook File Assistant software is a synchronization application that will automatically ensure files on both a user's PowerBook and desktop Macintosh computer are updated when a user connects the machines. The application can be set to make updates manually or keep prior versions of documents, depending on user preferences. With its unique database design, it also avoids common synchronization problems, such as making extra copies of documents already updated, whose name has been changed or which have been thrown away intentionally. In addition, the software package also includes an attractive array of tools designed to address issues specific to mobile computing, including battery-life management, deferred printing and automatic server remounting.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

■ **PowerBright Auto-Shutdown And Power Monitoring**
Software and cable system interface
Macintosh II or larger; System 7.0 or later or A/UX.

PowerBright Auto-Shutdown and Power Monitoring software is a software and cable system that interfaces with IntelliPower Bright-UPS Uninterruptible Power System IQ 650, IQ 800 and IQ 1100. Users control the Bright-UPS from their keyboard and monitor characteristics of utility line power, battery status, input/out voltage and load level. They can view and print graphic and statistical information from Power Quality Event History files. Automatic Shutdown function sends "Quit and Save" Apple Events to any open applications on a system. Applications that support this event will save their data files, exit and shut down gracefully. PowerBright works with any Macintosh OS, A/UX or Power Macintosh.
$129 retail; System 7 version
$159 retail; A/UX version
IntelliPower, Inc.; 10-A Thomas St.; Irvine, CA 92718; 714-587-0155 or 714-587-0230 (fax)

PowerChute
UPS monitoring
Macintosh Plus or larger; AppleShare 2.0 (or later) file server; APC UPS with computer interface.

PowerChute is a UPS monitoring program designed to protect an AppleShare network from data corruption resulting from power disturbances. It is installed in the Macintosh control panel and uses the computer interface built into many American Power Conversion UPS systems, including the models 110SE and 370ci; Back-UPS 400-1250; and Smart-UPS 400-2000. When utility power fails, PowerChute begins a shutdown timer on the server. All users are notified of impending server shutdown. If power returns, the shutdown is canceled and users are notified that power has been restored. If power does not return, all users are automatically logged off and the server is shutdown safely and properly.
$99 retail
American Power Conversion (APC); PO Box 278; 132 Fairgrounds Rd.; W. Kingstown, RI 02892; 401-789-5735, 800-800-4272 or 401-789-3710 (fax)

PowerLaunch II
Desktop launching agent
Macintosh Plus or larger; System 7.0 or later.

PowerLaunch II is a Macintosh desktop launching agent (DLA) that allows users to store applications, documents, control panels, desk accessories, sounds and any other "double-clickable" file on a series of icon palettes for quick and easy access. Files launched from within PowerLaunch II can be configured to temporarily modify the Macintosh's sound and video setting or even hide open windows as the file is launched. This is much faster for the user than having to select each control panel, modify these settings, launch the file and reset the settings upon program termination. PowerLaunch II also features group launching and auto-launching capabilities. Group launching allows groups of files to be launched together. Auto-Launching allows files or groups of files to be launched at pre-determined times for purposes such as timed backups, etc. PowerLaunch II's highly-flexible user interface allows the user to lay out their icon palette any number of ways and display "Power Tools" only when needed.
$40 retail
Interealm; PO Box 110177; Aurora, CO 80042; 303-366-8327 or 303-360-9118 (fax)

PowerMerge
Keeps files on a user's desktop Macintosh and a second Macintosh or disk in sync with each other
Macintosh Plus or larger; System 6.0.4 or later.

These Products Available Through Bottom Line Distribution
1-800-347-1923

PowerMerge automatically updates files between a desktop Macintosh and a PowerBook computer. By simply connecting the PowerBook to the desktop Macintosh, PowerMerge will automatically update any files that have been changed on one computer to the other. A user establishes which files, folders or disks he or she would like to be kept up to date, and whenever the two machines are brought together, PowerMerge will do the updating automatically. PowerMerge will also synchronize files between two desktop Macintosh computers, a removable hard disk and a Macintosh, multiple floppy disks or any combination of these. Features include: automatic reconciliation based on previously selected files, folders or disks; drag and drop ease of use; inclusion or exclusion of individual files, folders or disks; inclusion or exclusion by document types or creators; bidirectional updates; disk locking allows single direction updating; conflict notification if changes have been made to files on both computers since updating; unlimited setups can be created for future synchronization; fully network compatible; supports Balloon Help and System 7; and more. PowerMerge will create a History Log of each session so users always have a record of which files were updated.
$129 retail
Leader Technologies; 4590 MacArthur Blvd., Ste. 550; Newport Beach, CA 92660; 714-757-1787 or 714-757-1777 (fax)

Preview III
Replacement printer driver
Any Macintosh.
Preview is a replacement printer driver that allows printed output to be viewed on the screen in miniature, one page at a time. A user is also given the option of viewing a normal-sized section of a page and of scrolling around the page to look at its different sections. To optimize ease of use, Preview can be accessed through the Chooser or through an Fkey. A user can also easily switch back and forth between Preview and the normal printer driver.
$15 retail
Computer:applications, Inc.; 12813 Lindley Dr.; Raleigh, NC 27614; 919-846-1411 or 919-846-1412 (fax)

Print Juggler
Software to facilitate printing
Macintosh Plus or larger; System 7.0 or later.
Print Juggler is a software extension for the Macintosh that allows quick and easy monitoring and printing to one or more networked LaserWriters. Using Print Juggler, the status of printers can be seen at a glance and printers can be selected in one step, avoiding the tedious, multistep process used by the Chooser and the print monitor. The Print Juggler icon is a permanent menu bar item, accessible from any application and the Finder, from which the status of printers can be monitored and a printer can be selected for printing to. Printers can also be represented by icons, which may be placed on the desktop. These icons are automatically updated to reflect the status of printers: idle, busy, not on the network or printer error. The desktop icons can be used to choose a printer or for drag-and-drop printing.
$49 retail
Sonic Systems, Inc.; 1150 Kifer Rd., #201; Sunnyvale, CA 94086; 408-736-1900, 800-535-0725 or 408-736-7228 (fax)

Professional Output Manager
PICT, PostScript and EPS interpreters
Macintosh II, Quadra or Centris family; 8 MB of RAM; hard disk drive; System 7.1 or later.
The Professional Output Manager-Desktop is a PICT, PostScript and EPS interpreter for color printers and select film recorders. The Professional Output Manager-Production is a PICT, PostScript and EPS interpreter for color printers and a wide range of film recorders. Both Output Managers have scheduling capabilities to produce images on a continuous basis. They support 32-bit QuickDraw and 35 LaserWriter fonts, as well as Adobe Type 1 and Type 3 fonts.
$895 retail; POM-Desktop
$2,750 retail; POM-Production
Visual Business Systems, Inc.; 380 Interstate North Pkwy., Ste. 190; Atlanta, GA 30339; 404-956-0325 or 404-988-0009 (fax)

ProtoFont
Font organization utility
Macintosh Plus or larger.
ProtoFont automatically creates spec sheets for a user's font library. Users can find the perfect font for a graphic design job by viewing sample text in all fonts. ProtoFont can be used for choosing headline and logo typefaces. Font sample pages can be printed in many different formats to create a spec book. Sample text can be viewed and printed in multifont, multisize and multileading views, full character sets, keyboard character maps and many other views. Users can get listings with sample text of all fonts in the system. Any view can be saved as a PICT file for inclusion in other applications. ATM/Type 1 or TrueType is recommended but not required. ProtoFont is System 7 compatible and includes Balloon Help and online documentation.
$50 retail
Imaja; PO Box 6386; Albany, CA 94706; 510-526-4621, 800-294-6252 or 510-559-9571 (fax)

QuickTools
Utilities to help users work more safely, productively and efficiently
Macintosh Plus or larger; System 6.0 or later.
QuickTools is a collection of eight Macintosh utilities that seamlessly integrates into a user's system. Users can make each QuickTool work the way they want by changing easy-to-understand settings in the Control Panel. Included are: PowerStrip, an application/document launcher; Sunset, 30+ screen savers; Snipper, a screen capturer that supports 24-bit color; Barricade, a low-level security program; WorkSaver, which automatically saves a user's current document at specified intervals; Functionality, activates the cut, copy, undo and paste keys (F1 through F4) on the Extended Keyboard; Dialog Power, assigns command key equivalents to all dialog boxes; and Instant Menus, which brings the menu to the cursor.
$79.95 retail
Advanced Software, L.C.; PO Box 65670; West Des Moines, IA 50265; 515-225-9620 or 515-225-2422 (fax)

RAM Doubler
Provides twice as much memory
Macintosh II with PMMU or 68030/68040-based Macintosh, including Power Macintosh; 4 MB of RAM; System 6.0.7 or later.
RAM Doubler doubles a user's RAM without complicated installation or expensive hardware. It's worry-free right from the start. RAM Doubler gives a Macintosh twice as much memory to open applications. The best thing about RAM Doubler is that it's easy to use. A user just clicks to double the RAM. RAM Doubler includes a one-step installer for the software and an easy-to-use manual. Nothing else is required. It's never been simpler or more affordable to add memory to a Macintosh. RAM Doubler is a System extension, so there's no need for adjustments or any special controls.
$99 retail
Connectix Corp.; 2600 Campus Dr.; San Mateo, CA 94403; 415-571-5100, 800-950-5880 or 415-571-5195 (fax)

RapidCD
Speeds performance of CD-ROM drives
Macintosh Plus or larger.
RapidCD speeds performance of CD-ROM drives, making tasks such as opening folders and searching for files up to 10 times faster. RapidCD is a control panel that replaces other CD-ROM drivers like the Apple CD-ROM extension. It uses both "smart" RAM caching to speed up reading frequently used data and to improve QuickTime playback from CD-ROM discs. RapidCD's directory caching uses space on a user's local hard disk to make opening and viewing folders and finding files on a CD-ROM as fast as on a hard disk. RapidCD works with standard software to allow access to single-session and multisession Photo CD, ISO 9660 and High Sierra CD formats. All popular CD-ROM mechanisms are supported, including all internal and external Apple CD-ROM drives and multispeed drives. RapidCD includes audio CD playing functions and can be used with other software for audio CD playback.
$69.95 retail
Insignia Solutions Inc.; 1300 Charleston Rd.; Mountain View, CA 94043; 415-694-7600, 800-848-7677 or 415-694-3705 (fax)

Refresh! For Macintosh
Fun utilities
Macintosh Plus or larger; System 7.0 or later; 2 MB of RAM.
Refresh! is a collection of utilities that will revamp the Macintosh desktop. From the desktop background, menu bar on top of the screen, to icons for applications, documents, folders and even floppy disks, users can decorate and personalize their black and white old Mac desktop to bring out its identity. Users can choose from more than 50 pre-designed desktop textures and patterns. They can change the way folder icons look forever by embedding an appropriate image in the middle of the icon, and give it a 3-D look and feel. Users can design their own MenuBar patterns. The Iconder and Silver3D Folders assist users in remembering where documents and files are located. With these utilities, the Macintosh will never look the same again.
$49.95 retail
Pointex, Inc.; 20311 Valley Blvd., Ste. M; Walnut, CA 91789; 909-594-6321 or 909-594-7318 (fax)

Replica For Macintosh
Portable document software
Macintosh Plus or larger; System 7.0 or later.
Replica for Macintosh portable document software by Farallon provides the easiest way to share any document with anyone, regardless of application, font, graphics or computer platform. Replica eliminates the frustration of incompatibility between exchanging documents and saves users the cost of buying multiple applications for multiple computers. With a single copy of Replica software, a user can begin sharing documents from any application with any fonts or graphics. By including the document and the free Replica Viewer in a single "viewer-embedded" file, users ensure that co-workers can open, view and print documents, which retain all formatting, fonts, graphics and colors of the original. Copy and paste tools allow easy reuse of information in other documents. Distributing documents electronically or on disk instead of on paper saves printing and copying costs, postage, frustration and time. With just basic Macintosh skills, creating and sending Replica documents is as easy as printing.
$99 retail; single user
$749 retail; 10 pack
Volume licensing available
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

■ **Screen Savior**
Screen saver
Macintosh 512K or larger; Berkeley System's After Dark.
Screen Savior is based on the King James Version of the Bible. Christ's words are displayed in chronological order on screen, starting with quotes from Matthew and ending with Revelation, with the verse number at the beginning of the quote. There are more than 2,000 quotes from the Man who lived 2,000 years ago. Users simply drag Screen Savior into their After Dark folder to install the software. Screen Savior is selected using the After Dark control panel.
$19.95 retail
Quantum Leap Systems; 15875 Highland Ct.; Solana Beach, CA 92075; 619-481-8427 or 619-481-3192 (fax)

ScreenSavor Starter Kit
Screen saver; high-quality, full-color photographs
Macintosh LC or larger; 4 MB of RAM; 8- or 24-bit display; System 7.0 or later.
ScreenSavor is a screen saver product specifically designed to display high-quality, full-color photographs. The program works as a stand-alone application or as an accessory to After Dark, Intermission and Star Trek: The Screen Saver. It is unique for its large library of outstanding photographs, remarkable display effects, high degree of controllability and use of Apple's QuickTime decompression technology. The ScreenSavor program comes with a Sampler Set of 12 images and QuickTime. Additional add-on collections of photographs, sold separately, are assembled into

thematic Image Sets, including NASA/space, wildlife, undersea life, aircraft, golf, skiing, high-speed/scientific photos, pets, landscapes and more. Dozens of different image sets are available and more are added continuously. ScreenSavor also supports the display of a user's own PICT images. With appropriate licensing, images to be displayed may be located on any peripheral device, including optical disks, CD-ROM or network servers, conserving hard disk space. All photos in MIFP's standard Image Sets include a special color palette that is optimized for that image, giving the best possible color performance on an 8-bit display monitor. Virtually all display parameters can be customized by adjusting control panel settings within the ScreenSavor program.
$29.95 retail; ScreenSavor
$19.95 retail; ScreenSavor Image Sets (per 12 image set)
MIFP Development; 7276 SW Beaverton-Hillsdale Hwy., Ste. 187; Portland, OR 97225; 503-292-0362 or 503-292-0041 (fax)

Screenscapes
Transforms a user's monitor with spectacular background patterns
Macintosh LC or larger; System 7.0 or later.

Screenscapes, the latest desktop diversion for the Macintosh, transforms a user's monitor with spectacular background patterns over which work windows "float." Screenscapes starts with a collection of 650 fabulous color images to suit all kinds of moods and tastes. Screenscapes' Auto Changer can surprise users with a different pattern every day. Screenscapes' Special Effect Modules enable users to customize any of the 650 images to their liking. And Screenscapes Create Modules empower the most "artistically challenged" individuals to produce extraordinary patterns in a matter of seconds. The simpler patterns take as little as 1K of RAM, while the most complex require no more than 64K. And because Screenscapes does it all without any System Extension, INIT, Control Panel or System file modification, users don't have to worry about bogging down their system with compatibility problems.
Call for pricing
Kiwi SOFTWARE, Inc.; 6546 Pardall Rd.; Santa Barbara, CA 93117; 805-685-4031, 800-321-5494 or 805-968-1932 (fax)

Silver Cloud
Hierarchical "Chooser" replacement; personal, zone and device manager
Macintosh Plus or larger; System 6.0.5 or later.

Silver Cloud is a hierarchical replacement for the Macintosh Chooser. It includes the ability to organize zones into hierarchical zone folders and to create device folders containing convenient aliases (or pseudonym references) for favorite devices. For network managers, Silver Cloud is an administrative tool that provides the means to present and control consistent, simple "views" of the network that ultimately appear in the "Chooser" windows of various groups of users. With Silver Cloud, the views of zones and devices on the network presented to users is contained in a configuration file. These files, each of which may represent a uniquely customized network scheme, can be created quickly at the network manager's desk and distributed to groups of users as appropriate. The "Hiding" features of Silver Cloud allow a network manager to eliminate specific zones from view in any given configuration, permitting users to select only authorized devices. These views can be "Locked" and only modified by the network manager. This can save time and money by making network usage easier for novice users and restricting access to expensive links.
$495 to $3,095 retail; depending on number of users
The AG Group; 2540 Camino Diablo, Ste. 202; Walnut Creek, CA 94596; 510-937-7900 or 510-937-2479 (fax)

■ The Simpsons Screen Saver
Screen saver
Macintosh LC or larger; 4 MB of RAM; System 6.0.7 or later; 4 MB of free hard disk space.

Users can laugh out loud with The Simpsons Screen Saver, the latest addition to the After Dark family. The Simpsons Screen Saver features 16 hilarious, animated displays, including Bart spray painting the desktop; Homer eating the screen; Lisa playing her saxophone; interactive How to Draw the Simpsons; Marge, Maggie, Itchy and Scratchy at war; Krusty the Clown in the spotlight; Grampa spouting wisdom; Mr. Burns, Smithers and Flanders and more than 40 other characters. The Simpsons Screen Saver also contains voices, sounds, music, EcoLogic power manager, password protection, SystemIQ to maximize system performance and Simpsons Clocks, Messages and Trivia. It is a stand-alone product and is After Dark and System 7 compatible.
$29.99 retail
Berkeley Systems, Inc.; 2095 Rose St.; Berkeley, CA 94709; 510-540-5535, 800-877-5535 or 510-540-5115 (fax)

Sneak Preview 1.0
Allows users to instantly preview any document from the System 7 Finder, including QuickTime, text and graphics
Macintosh with 68020 processor or larger (SE/30, LC, II, Centris, Quadra); System 7.0 or later.

Sneak Preview enables users to instantly preview the contents of any document from the System 7 Finder, dramatically reducing the time-consuming process typically associated with viewing the contents of a document or using a document previewer. Users simply hold down a keyboard "hot" key, point to a document icon from the Finder and Sneak Preview will automatically display a preview for it. Sneak Preview includes everything users need to quickly and easily create and show previews for their documents: users can instantly view the contents of any document from the Finder without having to launch an application or even own the application that created it (does not interfere with or slow down the normal operation of the user's Macintosh); previews are portable — they move with the user's documents from one Mac to the next (there are no large catalog files to manage); users can create previews quickly and easily — "drag and drop" them or let Sneak Preview make previews for all documents on their hard drive automatically; Sneak Preview's "intelligent" preview creation knows when a document has been modified and if the preview needs to be updated; users can enter a 256 character description for their documents that is optionally displayed with the preview (users can keep track of import information without having their comments lost — like Apple's Get Info — when the desktop file is rebuilt); and users can add translators for the document types they use — TIFF, PICT, EPS, JPEG, GIF, QuickTime, text and many others (easily expandable and upgradeable).
$129.95 retail
Logical Solutions, Inc.; 2124 University Ave., Ste. 102; St. Paul, MN 55114; 612-659-2495 or 612-659-2498 (fax)

SoftwareFPU
FPU emulation utility
Any 68020, 68030, 68LC040 or PowerPC Macintosh without an FPU.

SoftwareFPU is a control panel that allows most applications that required a Floating Point Unit (FPU) to work properly on Macintoshes without one, without adding an expensive FPU card. Users simply drop the control panel into the System folder, restart, and most FPU applications that crashed or refused to run will begin working. SoftwareFPU is fully System 6 and 7 compatible. SoftwareFPU is shareware and is available from the following sources: online from America Online, CompuServe and eWorld; via anonymous ftp from ftp.netcom.com in~ftp/pub/johnneil; from local users groups; or by mail by sending registration fee to John Neil & Associates.
$10 retail; registration fee
John Neil and Associates; PO Box 2156; Cupertino, CA 95015

■ Sound Advantage Built-in Mic Options
Operating system to control sound
Any Macintosh, including Power Macintosh with built-in sound input capability; System 6.0.7 or later.

Sound Advantage Built-in Mic Options operating system software allows users to control the built-in sound input port. Users just open the Sound control panel and select Options button. Users can choose sample rates, compress ratios, mono or stereo, 8- or 16-bit samples and even voice-activated recording. Users use the Voice-Activated recording pop-up controls to set the sensitivity level and the delay to automatically stop recording when they are finished speaking. This helps to keep recorded sound file sizes small by not recording extended silence. Included is an application that combines a voice messaging notepad with a sound editor. Users choose between the messaging notepad and the sound editing views with a click of the mouse. Users can import Audio IFF files and sound resources; and export sounds in several formats, including System 7 sound file. An Audio IFF and Mini Application is included for sending a sound to others that do not have Sound Advantage. The messaging notepad can be used to quickly create voice messages that can be sent to other users on the network by using System 7 file sharing or electronic mail.
$118 retail
Heart Computer, Inc.; PO Box 607; Rockwall, TX 75087; 214-771-7511 (phone/fax)

SoundPlay 1.02
Utility to play sound resources
Macintosh Plus or larger; 1 MB of RAM; 800K floppy disk drive (hard disk drive recommended); System 6.0.3 or later.

SoundPlay is a small utility that allows users to locate and play "snd" (Format I/II synth sound) resources in resource files, applications or SoundFX sound libraries. Documentation is included.
$16 retail
Hologlyph, Inc.; PO Box 1305; Arvada, CO 80001; 303-422-9082, 800-283-9082 or 303-422-4366 (fax)

Spectator
Provides real-time, live-action screen capture
Macintosh LC or larger; 2 MB of RAM; hard disk drive; QuickTime; System 6.0.7 or later.

Spectator provides real-time, live-action screen capture. It watches over a user's shoulder, making a QuickTime movie of everything that happens on the Macintosh screen, even creating its own soundtrack with mouse clicks and beeps. Spectator will then let users edit both the video and audio portions of the movie to make their own training films. Users can also import existing QuickTime movies, mix them with their own work and then save them as self-running applications.
$149.95 retail
Rock Ridge Enterprises; 620 Hidden Valley Dr., #102; Ann Arbor, MI 48104; 313-663-0706 or 313-663-8403 (fax)

Square One
Organize the Macintosh in a flash
Macintosh Plus or larger; System 7.0 or later.

Square One is a power-launcher that organizes users' favorite files into an easy-to-use icon palette. Users get instant access to their vital documents. They can double-click on any item in the palette to launch it; add applications, documents, folders, control panels, QuicKeys or any file they want; and group a set of applications and documents into a project workgroup and launch them all with one double-click. The palette is always handy — users just drag the mouse to a Hot-Corner or hit a Command-Key.
$74 retail
Binary Software; 2210 Wilshire Blvd., Ste. 900; Santa Monica, CA 90403; 310-449-1481 or 310-449-1473 (fax)

Star Trek, The Screen Saver
Screen saver
Macintosh Plus or larger.

Users can help their screens "Live Long and Prosper" with Star Trek, the Screen Saver. Captain Kirk, Mr. Spock, Dr. McCoy and the crew of the U.S.S. Enterprise join forces with trilling Tribbles, burrowing Horta and Klingon warriors to protect monitors from phosphor burn-in. When computer monitors are left on but unattended, static images can "burn in" to a screen, causing permanent damage. Star Trek, the Screen Saver prevents burn-in by displaying animated screen art. This collection of high-quality graphic displays uses the actual sounds and images from the original Star Trek TV series. It also includes a password security system so users can screen-lock their computer, plus message and random display capability. Star Trek, the Screen Saver is a stand-alone product and does not require After Dark software, but will run all After Dark displays.
$49.95 retail

Berkeley Systems, Inc.; 2095 Rose St.; Berkeley, CA 94709; 510-540-5535, 800-877-5535 or 510-540-5115 (fax)

Star Wars Screen Entertainment
Packs Star Wars action and trivia into screen saver, screen poster and encyclopedia-like modules
Macintosh II, IIci or Quadra.

Star Wars Screen Entertainment works like a screen saver program with modules that kick in while the computer sleeps. The varied and extensive modules depict the most memorable action scenes and characters from George Lucas' film. In addition, Star Wars Screen Entertainment offers a behind-the-scenes look at the creation of Star Wars with modules that feature conceptual designs, spaceship schematics, storyboards and the full screenplay.
$44.95 estimated retail
LucasArts Entertainment Co.; PO Box 10307; San Rafael, CA 94912; 415-721-3300 or 415-721-3344 (fax)

StickyBusiness
Layout program for labels, cards, tags and envelopes
Macintosh Plus or larger; System 6.0 or later.

StickyBusiness is a versatile, easy-to-use program for designing and printing professional labels, cards, tags and envelopes. Predefined templates support hundreds of stocks (mailing, shipping, file folder, serial number, audio and VHS cassette labels; convention badges; rotary index; 3 by 5 cards; and post cards) from Avery, Moore, Inmac, Nebs, Dennison, Rolodex and others. Users can define their own templates for custom stocks. The "draw" environment lets users quickly create text, serial number and graphic objects with patterns and colors. Users can import icons and graphics in bit-map, PICT, PICT2 and EPS formats; and print-merge with data from spreadsheets and database programs. StickyBusiness is System 7 compatible.
$100 retail
Williams & Macias, Inc.; 3707 S. Godfrey Blvd.; Spokane, WA 99204; 800-752-4400

StickyBusiness Plus
Layout program for labels, tags, cards and envelopes with automated postal formatting and built-in bar-code generator
Macintosh Plus or larger; System 6.0 or later.

StickyBusiness Plus provides all of the features of StickyBusiness, plus automated postal formatting and built-in bar-code generator. The package includes dot matrix and 300 dpi PostScript fonts for Code 39, Code 128, Interleaved 2-of-5, UPC-a, UPC-E, EAN-8, EAN-13, ISBN, UPC Shipping Container Code, UCC Shipping Container Code, OCR-A, OCR-B, USPS PostNet and USPS FIM. Bar code generator automatically adds all guardbars, checksums and other special characters. Postal formatting tool provides instant, accurate positioning of FIM, PostNet and business-reply bars and OCR address block. More than 600 predefined templates supports label and paper stocks from numerous manufacturers; and users can define their own custom templates. A "draw" environment allows creation of text, serial number, graphic and bar-code objects. Users can import icons and graphics in bit-mapped, PICT and EPS formats; and print merge with data from spreadsheet and database programs. StickyBusiness Plus is System 7 compatible.
$225 retail
Williams & Macias, Inc.; 3707 S. Godfrey Blvd.; Spokane, WA 99204; 800-752-4400

StuffIt Deluxe 3.0
Complete file compression, encryption and archiving
Macintosh Plus or larger; System 6.0.5 or later.

StuffIt Deluxe — the complete compression solution — is an easy-to-use program for compression, encryption and archiving. Files will compress up to 1/20th their original size, with 60 percent the average. It includes StuffIt SpaceSaver, compression software that can transparently double a user's disk space. Users simply add a few letters to a folder name and it's a StuffIt archive. While most use it to save time when sending files across modems and networks, others use StuffIt Deluxe to save disk space.
$120 retail
Aladdin Systems, Inc.; 165 Westridge Dr.; Watsonville, CA 95076; 408-761-6200 or 408-761-6206 (fax)

Super 7 Utilities
Seven performance enhancement utilities
Macintosh Plus or larger; System 7.0 or later.

Super 7 Utilities adds capabilities to the Finder and other applications that users won't be able to live without and won't find anywhere else. Mighty Menus allows users to "tear off" menus from the menu bar and place them anywhere on the display, including WYSIWYG-type menus and hierarchical menus. Window Master automatically stacks or tiles all windows in a neat and organized pattern. Super Comments lets users add personal notes to any file in all "Open," "Save" and "Save As" file dialogs. Alias Assistant eliminated "orphaned" aliases forever and allows user to reconnect existing aliases. Speed Beep Pro allows users to assign multiple sounds to just about any System Event. Helium Pro lets users toggle Balloon Help on or off with a press of a key. Desktop Extras adds a new menu to the Finder for faster filing.
$99.95 suggested retail
Atticus Software Corp.; 456 Glenbrook Rd.; Stamford, CT 06906; 203-348-6100 or 203-964-8271 (fax)

SuperCache
High Performance Optic & CD-ROM Driver Software
Macintosh Plus or larger.

SuperCache is comprehensive driver software. Whether users are using a CD-ROM or rewritable optical driver, SuperCache pushes performance to its peak. CD-ROM hard disk caching moves vital and frequently used information from a CD-ROM drive to a hard drive, giving the computer faster access to it. For optical drives, features such as Dynamic Volume Encryption protect data from unauthorized users, while features like QuickMount and on-the-fly formatting and partitioning make it easier. One comprehensive package does it all. SuperCache is compatible with System 6 or 7, file sharing, AppleShare and just about any configuration users can give it.
$99 retail
Optical Access International, Inc.; 500 W. Cummings Park, Ste. 3250; Woburn, MA 01801; 617-937-3910, 800-433-5133 or 617-937-3950 (fax)

SuperDuper
Disk duplication software
Macintosh Plus or larger.

SuperDuper duplicates or compares whole floppies, opticals, SyQuests and other removable disk cartridges onto disks of the same size or larger or to disk image files. Disk image files, including Apple's DiskCopy disk image files, can be copied or mounted. To save time, unused blocks are not copied and floppies are formatted and copied in one pass for most Mac models. It is compatible with Mac-Disk Duplicator and Jukebox disk loaders.
$49 retail
NeoConcepts; PO Box 6883; Salinas, CA 93912; 408-899-4821

SuperRuler
Ruler desk accessory
Any Macintosh.

SuperRuler is a desk accessory in the form of a ruler that allows a user to measure objects on the screen at different resolutions, accommodating both the Macintosh's 72 dpi and the LaserWriter's 75 dpi. SuperRuler can also be used to measure objects that are being edited at two or four times their normal size. It gives accurate size readings without a user having to resort to calculations, and can be used for both horizontal and vertical measurements.
$15 retail
Computer:applications, Inc.; 12813 Lindley Dr.; Raleigh, NC 27614; 919-846-1411 or 919-846-1412 (fax)

Synchronize! 3.1
File synchronization utility
Macintosh Plus or larger; System 6.0.2 or later.

Synchronize! is a file synchronization and backup utility designed for people who work on more than one Mac. It automatically keeps the documents on two or more Macs up to date, by copying the newest version of those documents to the other Mac. Synchronize! will also back up a folder or an entire disk to another, removing any files that don't exist on the primary disk. Synchronize! can automatically connect to a remote file server or a Mac with File Sharing, synchronize or back up files and disconnect, at a preset time or periodically. All passwords can be entered in advance, so the synchronization can be done any time day or night. Synchronize! runs on all Macs, including Quadras, PowerBooks and Power Macs. It works with System 7, supporting Balloon Help, Apple Guide, Apple Script and Drag and Drop. Upgrades are free when downloaded from an online information service.
$29.95 retail
Qdea; 6331 Hilton Ct.; Pine Springs, MN 55115; 612-779-0955, 800-933-9558 or 612-397-8590 (fax)

Tapestry 1.3
Custom pattern installer
Macintosh LC or larger; color QuickDraw; System 6.0.5 or later.

Tapestry is a control panel that lets users change the patterns on their Macintosh desktop. It can install much larger patterns than are available in the General control panel, up to 256 by 256 pixels. It is designed to introduce a splash of color into anyone's daily computer work. Tapestry comes with more than 150 different patterns, such as wood paneling, cobblestones, dinosaurs, modern art and skylines. It includes a randomizing feature that can select a different pattern each time the Macintosh is turned on. New patterns can be created by pasting in pictures or importing images from picture files, resource files or other types of pattern files. There is also a palette editing feature that allows users to customize patterns by changing the colors used in the pattern.
$24.95 retail
Calico Publishing; 3159 Fee Fee Rd., Ste. 225; Bridgeton, MO 63044; 314-739-8882 or 314-739-8886 (fax)

TattleTech
Aids technical support people in gathering critical information about a customer's system
Macintosh Plus or larger; System 6.0.4 or later.

TattleTech software is designed to aid technical support people in gathering critical information about a customer's system. TattleTech provides very complete information about Macintosh hardware and its system related software. The information can be viewed on screen by category, printed or written to a text file, a special bug report format or tab-delimited format. TattleTech is also configurable. The configuration program allows users to determine available categories and default reports and specify software and folders that users want listed. The resulting size of the TattleTech can be as small as 80K compressed. TattleTech can be used in beta testing. It can also be configured as a "faceless" application with various levels of user interaction and progress notification. Information categories include: General Hardware Configuration; Volumes + Drives; Monitors; NuBus Devices; SCSI Devices; ADB Devices; Serial Ports; Start-up Environment (boot blocks, INITs that loaded, other System files [System, Finder, cdevs, etc.]); General System Software Configuration; Active Processes; DAs, Fonts; Drivers; Traps; Open Files; and Custom File Information.
Call for pricing; varies by license type and category
Tech Tools Corp.; 2015 Balsam Dr.; Boulder, CO 80304; 303-447-3739 or 303-447-8349 (fax)

This Mac Is Mine
Customizing resource to soup up a Macintosh computer's sights and sounds; book/disk package
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.3 or later.

This Mac Is Mine, by John Pivovarnick, is a customizing resource that lets users soup up the sights and sounds of their Macintosh. It is a light-hearted guide to changing the look and feel of the Macintosh, and gives users everything they need to get started. The book first covers the customizing options that come with every Macintosh (System 6 and 7), then explains how to install, use and play around with the programs on the disk. It wraps up with a section on additional sources for more software, images and other accessories. The disk includes 12 programs that show users how to record their favorite sounds and voices and install them on the computer with the Sound Manager Package; customize windows, menus and dialog boxes to reflect a user's personal style; take paint, draw and image files from nine different formats and turn them into start-up screens with GIFConverter; and much more.

$19.95 retail
Addison-Wesley Publishing Co.; 1 Jacob Way; Reading, MA 01867; 617-944-3700, 800-358-4566 or 617-944-8243 (fax)

Toner Tuner 1.0.6
Printing utility that saves on printer toner and ink expenses
Macintosh Plus or larger; System 6.0 or later.

Toner Tuner is a toner saving printing utility. It enables users to control the darkness when printing "draft" copies of documents on PostScript and non-PostScript (laser and ink jet) printers. Printing lighter copies saves printer toner or ink, necessitating the purchase of fewer toner or ink cartridges or ribbons. (In addition to the cost benefits, using fewer toner and ink cartridges is good for the environment.) Toner Tuner is a System Extension that adds a control to the standard Print Dialog of Macintosh applications. The slide-bar control lets users adjust the darkness before printing draft copies.
$24.95 suggested retail
Working Software, Inc.; PO Box 1844; Santa Cruz, CA 95061; 408-423-5696, 800-229-9675 or 408-423-5699 (fax)

Traffic Controller Personal 1.01
System 7 utility
Macintosh Plus or larger.

Traffic Controller Personal is a System 7 utility that will manage and allow users to display a graphical representation of the Publish and Subscribe Edition relationships. It will monitor the Editions on a single CPU, showing the data in a visible display. Traffic Controller Personal is also able to save the data for each iteration for backup and retrieval purposes. System 7's Publish and Subscribe abilities allow for transparent, continuous updating of information. Unfortunately, users may need one particular iteration that has already been modified. With Traffic Controller Personal, users can retrieve the information they need and reuse it.
$195 retail
Olduvai Corp.; 9200 S. Dadeland Blvd., Ste. 725; Miami, FL 33156; 305-670-1112, 800-548-5151 or 305-670-1992 (fax)

Translate-CGM
Graphics translation application
Macintosh II; A/UX.

Translate-CGM is a comprehensive graphics translation application that provides users with the capability to convert vector-based graphics files from product design environments to Computer Graphics Metafiles (CGMs) for archiving, hardcopy output or view-only display environments. IGES, DXF, HPGL, PostScript and CalComp formats can be directly converted to CALS-compliant CGMs before being imported into many publishing and other popular applications. Once users have a CGM file, whole new vistas are opened for display and hardcopy output, using full-featured CGM display interpreters and printer spooler front ends, such as ATC's CGM-View.
$1,450 retail
Advanced Technology Center; 22982 Mill Creek Dr.; Laguna Hills, CA 92653; 714-583-9119 or 714-583-9213 (fax)

Turbo View 1.06
Graphic utility
Macintosh 512KE or larger; 1 MB of RAM; hard disk drive recommended.

Turbo View is a graphics viewing desk accessory. It can open MacPaint, PICT, Startup Screens, GIF (Graphic Format Interchange) and RLE (Run Length Encoded) pictures. It can then save the graphic in either MacPaint, PICT or Startup Screen format. An eraser and pencil for minor touch-ups and 32 levels of FatBits for close-up work are provided. Turbo View also allows copying and pasting to the Clipboard for convenient placement of graphics into other applications. Because GIF pictures can contain up to 256 colors, they are reproduced in black and white using one of six user-selected dithering methods. Color is not used on Macintoshes that support color. Turbo View supports GIF89a.
$30 retail
Mi Concepts; PO Box 8822; Kentwood, MI 49508; 616-765-3312, ext. 14 or 616-765-3325 (fax)

Twelve-C
HP-12C financial calculator emulator
Macintosh SE through IIci.

Twelve-C is a complete Hewlett-Packard 12C financial calculator emulator that replaces the standard Apple Calculator. It includes more than 100 preprogrammed functions, as well as the ability to enter a series of keystrokes as a program, store it in memory and execute it with a single command. Banking functions include: present and future loan value, interest rates, compounding frequency, mortgages, balloon payments, periodic savings and more. Business functions include: statistical mean, standard deviation, linear estimates, weighted average, periodic cash flow and other statistical and planning functions. Investment functions include: bond purchases, depreciation, purchase vs. lease calculations, margins, discounts and other stock and bond related functions. Twelve-C is System 7 compatible.
$49.95 retail
Florida Marketing International, Inc.; 477 S. Nova Rd.; Ormond Beach, FL 32174; 904-677-1918 or 904-677-6717 (fax)

UnderWare
Combines traditional screen-saving capabilities with desktop animation and desktop pattern customization
Macintosh with 68020 processor or larger; 4 MB of RAM; System 7.0 or later.

UnderWare is a wacky and wild desktop animator, interactive screen saver and background customizer that runs animation on the desktop, under the windows and icons. UnderWare brings the fun of the original Macintosh back with desktop animation. Now the area under the windows and icons can entertain users with dinosaurs walking through a prehistoric landscape, footballs bouncing in three-dimensional space, rubber chickens flying in formation — more than 25 modules. UnderWare's animation interacts with the Macintosh environment. Imagine a fire-breathing dragon melting the trash can or folders walking off the screen. The variety is astounding: dinosaurs, butterflies, pixies, dragons, ballerinas, robbers, flying saucers, babies and rubber chickens are just a few of the characters that will play on the screen. UnderWare also customizes the desktop pattern with more than 75 professionally-designed patterns, including marble tiles, cyberspace and many more wonderful designs. Plus, UnderWare runs After Dark modules.
$59.95 retail
Bit Jugglers Inc.; 785 Castro St., Ste. C; Mountain View, CA 94041; 415-968-3908 or 415-968-5358 (fax)

Useful Voice Processor For Macintosh
Turns a Macintosh into a true dictation machine
Macintosh with 68020 processor or higher with sound input device (Macintosh LC or larger); Useful Voice Processor Lite requires Macintosh II or larger; 1 MB of RAM; System 7.0 or later.

Useful Voice Processor turns a Macintosh into a true dictation machine. Using the computer's built-in microphone, UVP records a user's thoughts, ideas, notes, letters and lectures as sound files on disk. Useful Software's proprietary automatic silence elimination automatically eliminates the pauses from a user's speech, reducing the amount of disk space required. Sound can be further compressed using either Apple's standard compression algorithm (MACE) or Useful Software's proprietary compression algorithm. Compression of up to 12:1 is possible. UVP can import and export sound as AIFF/AIFF-C files. Transcription mode allows users to play back the sound while they type, with control of the playback possible from the keyboard. The transcription is stored in a separate document from the sound and may be read by any word processor. UVP supports the required Apple Events and complete Balloon Help.

Useful Voice Processor Lite is the perfect companion to Useful Voice Processor. UVP Lite allows users to transcribe any UVP "tape" document. Compressed sound is automatically decompressed, and eliminated pauses are remembered on playback, with UVP Lite optionally pausing in the same places. Playback can be slowed down or sped up to match a user's typing speed. The transcription is stored in a separate document from the sound and may be read by any word processor. UVP Lite supports the required Apple Events and complete Balloon Help.
$179.95 retail; Useful Voice Processor $99 retail; Useful Voice Processor Lite
Useful Software Corp.; 12 Page St.; Danvers, MA 01923; 508-774-8233 or 508-774-3918 (fax)

Utility Room
More than 75 MB of utilities
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later; CD-ROM drive.

Utility Room contains more than 75 MB of utilities for every purpose to help maximize a Macintosh's capabilities. It includes al the utilities from Educorp's utility section, such as ResEdit, SCSI Probe, Stuffit, Virus Stompers, Essential INITs, System/Icon utilities, color icon editors, screen savers and hard disk utilities.
$49.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

VendorSystem
Enables developers to "lock" multiple applications on a single CD-ROM disc
Macintosh with 2.5 MB of free RAM; System 6.0.5 or later; CD-ROM drive.

VendorSystem — Desktop Delivery Technology, is an advanced encryption technology that allows multiple software programs to be "locked" on a single CD-ROM disc. Customers can demo the software contained on the disc to decide what to purchase. To access the software, the customer calls a customer fulfillment center. Upon payment using a credit card or electronic transfer, the user receives a unique access code to "unlock" the selected program(s) for immediate desktop use. The VendorSystem technology has been licensed by the world's leading distributors, resellers and software developers. VendorSystem guarantees 100 percent user registration, lowers costs of goods and increases sales and marketing potential. The VendorSystem is available for Macintosh, DOS, Windows, Unix and OS/2 developers.
Call for pricing
Rainbow Technologies, Inc.; 9292 Jeronimo Rd.; Irvine, CA 92718; 714-454-2100, 800-852-8569 or 714-454-8557 (fax)

Videodisc Accessory Series
Desk accessory that runs laser disc players from a Macintosh
Macintosh Plus or larger; videodisc player with RS-232 interface.

The Videodisc Accessory Series is a desk accessory that allows a user to control a laser disc player while working in any Macintosh applications. Besides still frame, search, slow, scan, fast forward and reverse, the DA features other capabilities, such as providing text overlay where the player supports this and allowing users to set and play sequences repeatedly, even in reverse. The Videodisc Accessory Series includes three desk accessories that are tailored specifically for the following videodisc player sets: Pioneer 2200, 4200, 4100 and 8000; Pioneer 6000 Series; and all Sony industrial players.
$49.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

■ **VideoJuggler**
Video word processor
Macintosh Classic or larger; System 6.0.5 or later; Pioneer Laserdisc Player model CLD-V2400, CLD-V2600, LD-V2200, LD-V4200, LD-V4400 or LD-V8000.

The VideoJuggler is a new type of "video word processor" that lets users quickly and easily put "markers" for laserdisc video clips right into its text files. Users can then access any marked video clip on demand by simply double clicking to "select" the corresponding marker. The VideoJuggler provides users with a simple, "do-it-yourself" method for controlling access to videodisc clips, using informal notes that are much more interactively adaptable than traditional multimedia control files. Both CAV and CLV videodisc modes are supported. Users can use VideoJuggler to mark and access frames on multimedia discs and real-time clips on their favorite movie discs.
$59 retail

University of Michigan Software; Wolverine Tower #2071; 3003 S. State St.; Ann Arbor, MI 48109; 313-763-5509 or 313-763-1260 (fax)

VisualClips — Personal Multimedia Utility
QuickTime movies from classic and contemporary films and TV shows that can be played as users work
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 12-inch RGB monitor.

VisualClips are QuickTime movies that can be assigned to system events, allowing users to experience their favorite moments from classic and contemporary films as they work. Events include Startup, Shutdown, Restart, 1/2 hour and hour chimes, System Beep, Disk Insert, Copying File, Copy Done and Empty Trash. Movies can be assigned to play randomly or sequentially, in five fixed locations or in random areas onscreen. Star Wars VisualClips are available now. Coming soon: The Empire Strikes Back, Return of the Jedi and LawnMower Man.
$89.95 retail; Star Wars VisualClips (8-disk set)
Sound Source Unlimited, Inc.; 2985 E. Hillcrest Dr., Ste. A; Westlake Village, CA 91362; 805-494-9996 or 805-495-0016 (fax)

VST ThinPack Utilities
Battery-management software
Macintosh PowerBook (models 100 through 180c); System 7.0 or later.

ThinPack Utilities is battery-management software for the PowerBook. Designed to work as a stand-alone utility or with the VST ThinPack battery, TP Utilities recalibrates Apple's notification alerts to allow the PowerBook to recognize the longer runtimes afforded by the ThinPack. In addition, ThinPack Utilities provides a truly useful graphic feedback mechanism to enable users to see at a glance and in real time the state of charge of their battery. This thermometer-like display uses the full width of the screen to illustrate the current state of battery charge relative to Apple's battery notification alerts. ThinPack Utilities also polls the PowerBook constantly to provide current information on the several parameters of computer operation (e.g., AppleTalk on or off, CPU speed, etc.) that affect energy consumption. Thus users have a constantly updated, complete "status report" on their battery and the (user-controllable) factors that affect the longevity of the battery.
$39.95 retail
VST Power Systems, Inc.; 1620 Sudbury Rd., Ste. 3; Concord, MA 01742; 508-287-4600 or 508-287-4068 (fax)

Wallpaper
Utility for displaying large color patterns on the Macintosh desktop
Any color-capable Macintosh; System 6.0.5 or later.

Wallpaper allows users to customize their work environment by displaying a customized desktop pattern on their monitor that can be up to 128 pixels square and up to 256 colors per pattern. Users can create their own patterns in the paint program, copy and paste into Wallpaper from any other program or capture anything on the Macintosh with Wallpaper's grabber tool to instantly create a Wallpaper desktop pattern. Users can set Wallpaper to randomize — changing patterns up to once a minute from among a user's favorite. Wallpaper is fun to use and has an easy and fun interface. More than 520 patterns are provided with the program, and users can create as many of their own as desired.

Wallpaper/Zebra Edition contains the identical application program to Wallpaper, but the close to 500 patterns supplied are black and white for monochrome monitors. There is a wide scope of art supplied for people running Macintoshes that are color-capable but have a black and white monitor.

More Wallpaper contains almost 600 new outstanding patterns for Wallpaper owners. Included are many scans and photos, animals, hand-drawn art, gray scales for the musically inclined, as well as soft, quiet textures, marbles, tiles and woods. There are color-me's for family fun. The desktop menagerie includes dinosaurs, cats, bears, kangaroos, dogs, penguins, parrots, horses, insects and the odd mandrill. Among the fabrics are a Navajo blanket and plaids. Tablecloth and food patterns are also provided.
$59.99 retail; Wallpaper
$59.99 retail; Wallpaper/Zebra Edition
$39.99 retail; More Wallpaper
Thought I Could; 107 University Pl., Ste. 4D; New York, NY 10003; 212-673-9724 or 212-260-1194 (fax)

Wiz Tools
Utilities that enhance System 7
Macintosh Plus or larger; System 7.0 or later.

Wiz Tools includes nine utilities that enhance System 7. ColorSwitcher lets users switch between two pre-set screen displays without going to the Monitors control panel. FinderTools lets users add shortcuts to the Finder menus, switch applications or access the Application menu at any time. Keystroke Recorder permanently records everything a user types in a 24-hour period. Launcher provides fast access to applications, documents, desk accessories, folders, control panels, etc. PowerBook Utilities provides special icons or cursors to inform users when the Caps Lock key is activated, or when the hard disk wakes up. A menu bar icon indicates the level of the battery. SubMenu displays the contents of the Apple menu hierarchically by creating up to five levels of submenus. Twins lets users back up and synchronize data quickly and reliably to any other HFS volume. It will check the differences between two volumes, reconcile their data and copy the most recent file onto the other volume. WatchFolder watches any shared folder and alerts users when it is modified. WorldClock displays the time for different geographical areas worldwide.
$89.95 retail
ASD Software, Inc.; 4650 Arrow Hwy., Ste. E-6; Montclair, CA 91763; 909-624-2594 or 909-624-9574 (fax)
FAX©NDEMAND 1-800-872-3293 **106**

Wiz Tools For PowerBook
Utilities for PowerBook users
Macintosh PowerBook; 2 MB of RAM; System 7.0 or later.

Wiz Tools for PowerBook is a collection of utilities designed for the specific needs of PowerBook users. These utilities include: security (hard disk protection) with an integrated screen saver; automatic remote connection to ARA (can execute certain commands on connection); file synchronization between a PowerBook and any other Macintosh; status indicators that inform users of the battery level, modem and disk activity, etc.; ease-of-use features, such as improved cursor location, trackball substitutes, automatic dropping of menus, etc.; and a personalized clock in the menu bar that allows users to view the time for different geographical areas worldwide. Whether users are at the office, on the road or at home, using the PowerBook will become more secure and efficient.
$99.95 retail
ASD Software, Inc.; 4650 Arrow Hwy., Ste. E-6; Montclair, CA 91763; 909-624-2594 or 909-624-9574 (fax)
FAX©NDEMAND 1-800-872-3293 **137**

Word For Word — Macintosh, Version 6.0
File conversion utility
Macintosh Plus or larger; System 6.0 or later (System 7.0 or later to utilize Macintosh Easy Open Extension).

Word For Word — Macintosh is a comprehensive document conversion system. It now includes Apple's Macintosh Easy Open file extension in addition to the standard user interface. More than 100 file formats are supported. It also supports compound documents (text with embedded graphics). Macintosh formats supported include: MacWrite, MacWrite II, FrameMaker, Microsoft Word, Microsoft Excel, WriteNow and WordPerfect. PC formats include: Ami Pro, Microsoft Excel, Lotus 1-2-3, WordPerfect, Microsoft Word DOS and Windows versions and many more. Converted files retain format and type attributes of the originals and are fully editable and printable.
$149 retail
$379 retail; five users
$599 retail; 10 users
$39.95 retail; upgrade
Mastersoft, Inc.; 8737 E. Via de Commercio; Scottsdale, AZ 85258; 602-948-4888, 800-624-6107 or 602-948-8261 (fax)

Working PrintLogger/Working PrintStamper 1.0.3
Printer-use accounting, billing and security utility
Macintosh Plus or larger; System 6.0.9 or later.

Working PrintLogger keeps a log file of all printer use, including fax modems. The log file contains information about time, date, number of pages, user name, job, client, project name, printer used and the name of the document printed. The log file is text with tabs between columns, so it can be imported into spreadsheets and database applications for accounting purposes. Working PrintStamper prints similar information about the document on the bottom of every page. Working PrintLogger and Working PrintStamper can be used together or separately.
$99.95 suggested retail
Working Software, Inc.; PO Box 1844; Santa Cruz, CA 95061; 408-423-5696, 800-229-9675 or 408-423-5699 (fax)

Working Watermarker 1.0.6
Printing utility
Macintosh Plus or larger; System 6.0.9 or later.

Working Watermarker is a printing utility that enables users to print a graphic on the page along with ("behind") anything being printed. The graphic can be a message "Company Confidential," "Do Not Copy" or "Draft," a company logo or a picture or drawing. Working Watermarker comes with many popular watermarks and lets users create their own watermarks. (PICT and EPS graphics can be imported into Working Watermarker.) Working Watermarker adds a menu of available watermarks to the Macintosh Print dialog so watermarks can be used with any program.
$49.95 suggested retail
Working Software, Inc.; PO Box 1844; Santa Cruz, CA 95061; 408-423-5696, 800-229-9675 or 408-423-5699 (fax)

■ **X-Men Screen Saver**
Screen saver
Macintosh LC or larger; 2 MB of RAM; System 6.0.7 or later; color or gray-scale monitor recommended; 3 MB of free hard disk space.

Users can let Cyclops, Wolverine and the mighty mutants of Marvel Comics' X-Men save their screen with the heaviest hitting action around. The X-Men Screen Saver is a powerhouse animated screen saver. Stand back as Wolverine shreds the desktop, Magneto wreaks havoc and Beast performs dazzling acrobatics. Users test their X-Men knowledge with the trivia module, or see the X-Men from the perspective of the deadly Sentinel. It's pure Marvel action. It includes the After Dark engine and is System 7 and Power Macintosh compatible.
$49.99 retail
Berkeley Systems, Inc.; 2095 Rose St.; Berkeley, CA 94709; 510-540-5535, 800-877-5535 or 510-540-5115 (fax)

Xtras For System 7
Book/disk package; collection of 13 original utilities
Macintosh Plus or larger; System 7.0 or later.

With the advent of System 7, Macintosh users have been left without many of the utility programs they have come to depend on to save time and enhance productivity. Xtras for System 7 by Sharon Zardetto Aker remedies that situation with a collection of 13 original utilities written exclusively for this book/disk package. Some of the utilities include: Big Apple, a hierarchical Apple menu that provides multiple levels of access to items in the Apple Menu Items folder; Icon Editor, a pop-up icon editor for desktop icons; Publishist, lets users publish and subscribe between two programs when only one of them has the feature built in; and Startup Startup, enables those using both System 6 and System 7 on separate drives to specify which system they want to use when starting up. These and nine other utilities make this package an excellent value for System 7 users.
$24.95 retail
Addison-Wesley Publishing Co.; 1 Jacob Way; Reading, MA 01867; 617-944-3700, 800-358-4566 or 617-944-8243 (fax)

][In A Mac
Runs, converts and develops Apple II software
Macintosh Plus or larger.

][In A Mac facilitates a complete working Apple IIe computer, all in software. Thousands of Apple II

programs can be run on a Macintosh, with full use of desk accessories and cut and paste to a Macintosh Clipboard. Apple II disks can be transferred to and from a Macintosh by cable or phone with special transfer software included. Apple 3.5-inch UniDisks can be used directly in Macintosh 800K disk drives. The program provides the solution for converting AppleWorks files (or any other Apple II data file) into standard Macintosh text files. These text files can then be opened and used normally with a Macintosh.][In A Mac will also convert Macintosh files into an Apple II format for use with Apple II software.
$149.95 retail;][In A Mac
$49.95 retail;][In A Mac Library Pac (collection of Apple II software)
Computer:applications, Inc.; 12813 Lindley Dr.; Raleigh, NC 27614; 919-846-1411 or 919-846-1412 (fax)

Vertical Markets/Advertising

4th Power Service
Integrated accounting with job and work-in-progress management
Macintosh Classic or larger.

4th Power Service is an integrated package that is designed to automatically bill time and expenses for jobs in progress. All of the time and expense records get charged to the job and flow into Accounts Receivable, Accounts Payable and General Ledger. The program ensures that everything that should be billed gets billed. Included in the package is a report writer, search editor and forms editor, allowing all printed matter to be fully customized. An evaluation kit is available.
$795 U.S. retail; single user
$2,795 U.S. retail; multiuser
Honeybee Software, Inc.; 1 Place Ville Marie, Ste. 2315; Montreal, Quebec, Canada H3B 3M5; 514-954-0768, 800-667-1233 (U.S. only) or 514-875-2940 (fax)

Clients & Profits ez
Job tracking, costing and billing for advertising agencies and design studios
Macintosh Classic or larger; 1 MB of RAM; hard disk drive; LaserWriter or other printer.

Clients & Profits ez is a job tracking, costing and billing system that also manages an agency's books. It includes everything needed to run small ad agencies, design studios, public relations firms and production companies with up to five employees and $1 million in billings. The software is based on Clients & Profits 4, the original agency management system, and features job estimating and scheduling, accounts payable and checkwriting, job billing and accounts receivable and agency bookkeeping. Clients & Profits ez is a single, integrated program, so there are no costly modules to buy. As the agency grows, Clients & Profits ez can be upgraded to manage agencies with up to $99 million in billings. Estimates, invoices and statements print on letterhead on either a LaserWriter or ImageWriter. Other reports include: job summary; job schedule; job progress; detailed job costs; job billings; job list by client, job number or status; traffic; currently billable (work in progress); job profitability by task, client or job; activity by job or client; profit and loss; cash flow for payable and receivables; vendor and client account agings; time lists and summaries; and client, vendor and resource lists.
$1,295 retail; single user
$1,995 retail; multiuser
Working Computer; 4755 Oceanside Blvd., #200; Oceanside, CA 92056; 800-272-4488 or 619-945-2365 (fax)

Clients & Profits Plus
Advertising agency management and accounting
Macintosh IIsi or larger; 2 MB of RAM; hard disk drive.

Clients & Profits Plus includes all of the features of Clients & Profits 4, plus several additional features for larger agencies. Additional features include: fiscal year accounting with 13th period, profit centers, multiple checking accounts, advanced retainer/deposit handling, automatic check writing for A/P, automatic "ballpark" scheduling, "milestone" traffic report and many other enhancements to reports and functions.
$3,895 retail; single user
$4,995 retail; multiuser
Working Computer; 4755 Oceanside Blvd., #200; Oceanside, CA 92056; 800-272-4488 or 619-945-2365 (fax)

Clients & Profits Pro For Advertising Agencies
Advertising agency management
Macintosh LC III or larger; hard disk drive; LaserWriter.

Clients & Profits Pro is a multiuser, cross-platform job tracking, costing, billing and accounting system for ad agencies, design firms and creative departments. Features include: job estimating and budgeting; trafficking and job scheduling; media planning and buying; time keeping with online time cards; daily "work to do" staff reports; purchase orders; accounts payable; check writing; and client billing for jobs, retainers and media. Clients & Profits Pro also includes an integrated one-write, double-entry ledger with comprehensive financial statements. Clients & Profits Pro supports up to 450 network users using any combination of Macintoshes or Windows-based PCs.
$7,500 retail; single user
$500 per user retail; multiuser
Working Computer; 4755 Oceanside Blvd., #200; Oceanside, CA 92056; 800-272-4488 or 619-945-2365 (fax)

Daily Newspaper Publicity Database-On-Disk
Publicity database of 1,600 U.S. daily newspapers
Macintosh Plus or larger; hard disk drive; System 6.0 or later.

The Daily Newspaper Publicity Database-On-Disk is a compiled mailing list of all 1,600 daily U.S. newspapers. Businesses seeking free publicity for their products or services can use this list to mail their press releases effortlessly to each newspaper without spending days researching names and addresses at their local library. For convenience, a run-time version of the FoxBase+/Mac database manager is included, but the records provided can be easily merged into almost any well-known database program a user desires. The list has been used successfully to promote products and services of all kinds.
$175 retail (Special $99 to Macintosh Product Registry readers)
Publishers Network, Inc.; PO Box 3190; Dept. MPR; Vista, CA 92085; 619-941-4100 or 619-941-0773 (fax)

Macintosh Party Publicity Disk Service
Monthly compilation on diskette of press releases, articles and industry information
Macintosh Plus or larger; hard disk drive; any page-layout program.

MacPublicity Network distributes a monthly disk filled with press releases, articles and industry information for 3rd party vendors seeking exposure for their products. The diskette is mailed free to more than 1,200 Mac user group newsletter editors serving an audience of 300,000 members. Participating vendors provide their own press releases, articles or reviews, which are compiled with other industry information and mailed free to user group editors for printing in their publications. Because most user group newsletter editors are volunteers, they frequently don't have the time to write their own articles or to search for them online. Downloading them from diskette makes their job easier and provides a meaningful outlet for vendor information. Other media-related services are available.
Call for pricing
MacPublicity Network; PO Box 500, Dept. MPR; Vista, CA 92085; 619-941-4100 or 619-941-0773 (fax)

MacSwami
On-computer business card
Any color Macintosh.

MacSwami is an "on-computer business card" for Macintosh dealers to load on every system that they sell. It is entirely customizable to each dealer with rotating 3-D logos on start-up screen, salesperson specific information (photo, name, phone, hours, location, etc.) and customer definable scrolling or "slide show" directory screens pertaining to sales and/or support information — class offerings, service prices, etc. Built-in diagnostic tells customers about their computer configuration, including software version, memory, INITs and CDEVs (great when calling in for support). Top Ten list gives solutions to 10 most commonly asked questions from dealers phone support lines. MacSwami is custom created to order on a subscription basis.
Call for pricing; subscription basis
Octane Media Group; 3307 N. Victoria; Shoreview, MN 55126; 612-490-7559 or 612-490-5464 (fax)

MPMS 7.0
Publishing/advertising management
Macintosh with 68030 processor or larger; 8 MB of RAM; System 6.0 or later (System 7.x recommended); dedicated server for network use.

MPMS (Multiple Project Management System) initiates and manages media or collateral production projects. When a project is created and defined, internal deadlines are automatically established for critical project dates. Users can create optimal, yet realistic workflows for different project types. MPMS' Deadline Forecaster flags logjams before they occur, "aware" that an employee or workgroup may be involved in several projects simultaneously. Estimates are done online, from live input and comparison to past performance. All documents in progress are "moved" along with the job from user to user. Internal time and outside costs that must be recovered are constantly compared with projected estimates for cost control as work progresses. Project status reports are up to the minute. A final cost summary is produced, an invoice is printed and automatically posted into A/R. MPMS also provides important management statistics, including project production and performance analysis, such as average job time by type of job, as well as overall employee and department performance figures.
$595 retail; single user
$179 retail; each additional user (minimum two)
Synergy Marketing Communications, Inc.; 11 Joseph Ct., Ste. 213; Syosset, NY 11791; 516-935-9151 (phone/fax)

NameMax
Creates corporate or product names
Macintosh Plus or larger.

NameMax assists users in the creation of names for companies, products, subdivisions, etc. There are two modes for creating potential names. The first is Alphabetic with random letter generation. This allows a user to select the number of letters to be generated for possible names, vowel/consonant placement and the placement of particular letters. In the Word Parts mode, users have access to 100 different databases of syllables, each categorized under descriptors, which can be matched in possible combinations for potential names. Users can even add their own specialized database of words and word parts.
$149 retail
Decathlon Corp.; 4100 Executive Park Dr., #16; Cincinnati, OH 45241; 513-421-1938 or 800-648-5646

PR Master Pro
Complete package to manage a public relations firm
Macintosh Classic II 4/80 or larger; System 7.1 or later.

PR Master Pro provides a mailing list manager, mail-merge program, time sheet module, tour manager, invoice generator and auto-fax capability. The extensive mailing list manager handles all mailing list needs, including saving search-and-sort criteria. Each contact in the system can belong to an unlimited number of lists and each contact file tracks up to 10 phone/contact numbers, as well as business and home addresses. The time sheet module allows users to track account exec hours and billings by client and by project; the invoice generator will then produce invoices for these (as well as other) charges. Auto-faxing allows users to send communications out via modem overnight and provides a report the following day.
$1,495 retail; single user
$1,895 retail; multiuser server
$595 retail; per CPU user
Strategic Marketing Resources; One Rockefeller Plaza, Ste. 1506; New York, NY 10020; 212-826-3818 or 212-355-3213 (fax)

PR/Works 4.0
Application for PR practitioners that combines contact management, database and activity tracking into an integrated workday management package
Macintosh Plus or larger; hard disk drive.

These Products Available Through Bottom Line Distribution
1-800-347-1923

PR/Works is software for the management of public relations activities that combines on-screen call and task management, relational database and activity tracking into an automated work environment that supports most facets of the public relations practitioner's normal workday. Features of the system include: unlimited-length notepad areas throughout the database; on-screen editorial calendar item capture and tracking; subscription and editorial calendar processing; mailing list and mail-merge capabilities; import/export access to external media directories; and a call and task management system that is linked to the database for two-way transfer of contact and daily activity information.
$1,295 retail
Desktop Innovations, Inc.; 742 Gilman St.; Berkeley, CA 94710; 415-525-9688 or 415-525-2501 (fax)

SilentPartner Basic 7.0
Financial/business management software for photographers, designers, smaller agencies and virtually any service business; single or multiuser
Macintosh Classic or larger; 4 MB of RAM; hard disk drive.

SilentPartner Basics is financial and business management software for photographers, illustrators, designers and smaller agencies. It tracks vendors, payables and receivables, plus more. SilentPartner Basics lets users enter information a single time, and then transports it every place users need it to be. The program will help users market their services; keep their calendar full and their mind clear; develop and track estimates and invoices; and generally manage projects and money with ease. It even has Help buttons everywhere and a mini word processing program for letters. New in 1993 are inventory and custom security.
$1,195 retail; price depends on system size (users)
The Medi Group, Ltd.; 180 Black Rock Rd.; Oaks, PA 19456; 610-666-1955 or 610-666-5911 (fax)

SilentPartner Big Time 7.0
Financial/business management software for the creative service industry; single or multiuser
Macintosh Classic or larger; 6 MB of RAM; hard disk drive.

SilentPartner Big Time provides professional help for creative minds. It handles vendor, payables and receivables tracking, plus more. Big Time lets users traffic and adapt project timelines at the touch of a button. Its accounting sophistication lets users do everything from multiple vendor markups and POs to progress billing and checking profitability on and scheduling of individual tasks. Big Time also lets users ask it anything it knows and then generates completely customized reports. Help buttons are available at every level. New in 1994 are inventory, media management and custom security.
Call for pricing; depends on the system size (users)
The Medi Group, Ltd.; 180 Black Rock Rd.; Oaks, PA 19456; 610-666-1955 or 610-666-5911 (fax)

Talking Business Card
Custom multimedia presentation
Macintosh II family; 4 MB of RAM; 13-inch color monitor.

The Talking Business Card is a custom multimedia presentation with sound, graphics, animation and even digital video, that fits on a floppy disk for the Macintosh or Intel-based PC. The Talking Business Card is an ideal vehicle for delivering a promotional message, introducing a new product or generating interest. Talking Business Cards allow an audience to experience a user's message and can be distributed at trade shows or via mail or online services. Due to its digital form, high-impact graphics and interactivity, Talking Business Cards enjoy a much greater pass-along value than conventional media. Galileo, Inc. provides turn-key creative and production services, including design, programming, packaging and collateral materials.
$7,500 to $15,000 retail; price depends on how much original material must be created (call for free sample)
Galileo, Inc.; 3350 Peachtree Rd. NE, Ste. 1550; Atlanta, GA 30326; 404-816-9885 or 404-816-5690 (fax)

Vertical Markets/ Architecture

ADS-MGMStation—Architecture
Architectural symbols
Macintosh 512K or larger.

ADS-MGMStation—Architecture is a comprehensive compilation of architectural symbols. The 22 libraries containing more than 700 symbols are extremely versatile. The symbols are designed in plan and elevation form in conformance with ANSI standards and can be accessed by the mouse to any position on a drawing. The symbols can be altered to any scale, angle or dimension, providing complete flexibility for manipulating all components of a drawing. The symbols are precise representations of the most commonly used architectural templates for plumbing, doors, windows, electrical, materials, welding, graphics, etc. Included in the package are libraries with complete bathrooms, kitchens, furniture, symbols, landscape symbols, fireplace and stair systems.
$195 retail
Compu-Arch; 1954 Cotner Ave.; Los Angeles, CA 90025; 310-312-6632 or 310-444-9577 (fax)

ADS-MGMStation—Interiors
Interior design symbols
Macintosh 512K or larger.

ADS-MGMStation—Interiors is a compilation of interior design symbols. There are multiple libraries containing all key symbols, and the program allows customizing of symbols that can be created by a user for his own special applications. The symbols are designed in plan and elevation form and are accessed by the mouse to any position on a drawing. The symbols can be altered to any scale, angle or dimension, providing complete flexibility for manipulating all components of a drawing. The symbols are precise representations of the most commonly used interior graphic templates and are in conformance with ANSI Standards. The more than 15 libraries include basic furniture, office furniture, lighting and lighting plans, fixtures, kitchen, bathrooms, pools, outdoor equipment, wood and tile patterns, appliances, parking and cabinets.
$195 retail
Compu-Arch; 1954 Cotner Ave.; Los Angeles, CA 90025; 310-312-6632 or 310-444-9577 (fax)

Alias Upfront V2.0
Step-by-step, three-dimensional drawing program
Macintosh Color Classic or larger; 4 MB of RAM (8 MB of RAM, math coprocessor and color monitor recommended).

Whether a professional designer who works with perspective or someone who just wants to play in 3-D, Alias Upfront lets users easily draw fully shaded 3-D objects, then explore their ideas as they look from any point of view. Users simply point and click and let Upfront tell them exactly where they are as they draw interactively in 3-D. Shadows and perspective are automatic. Step by step, Upfront lets users create 3-D perspectives with ease. To further visualize ideas, Alias SpiderVision can be used to quickly set up a camera path and view scenes in motion as QuickTime movies. When happy with the results, users can print directly in color or export to other graphic programs, such as Adobe Illustrator or Fractal Design Painter, where text and notes can be added or an image can be further enhanced. Drawing in 3-D is fast, easy, accurate and fun with Alias Upfront. Alias Upfront also imports PICT, 2-D DXF or 3-D DXF files and exports to EPSF, PICT, TIFF, RenderMan, Swivel command, Architrion and 3-D DXF.
$299 U.S. retail
Alias Research, Inc.; 110 Richmond St. E; Toronto, Ontario, Canada M5C 1P1; 416-362-9181, 800-447-2542 or 416-362-4696 (fax)

ArchAccount
Billing and job costing for architectural firms
Any Macintosh; ImageWriter or LaserWriter.

ArchAccount provides billing and job costing for small architectural firms. Three billing methods are provided: percentage of construction cost, professional fee and direct personnel expenses. The program maintains and supports a complete project history of time and expenses, from which two reports are generated: a detailed report of each project and a summary report of all projects.
$295 retail; program
$30 retail; demonstration package
The Gardner Partnership, Architects; PO Box 549; Cedar City, UT 84720; 801-586-9494 or 801-586-9499 (fax)

ArchiCAD 4.5
Solid modeling, integrated architectural CAD program
Macintosh with math coprocessor; native mode on PowerPC.

ArchiCAD is a high-end architectural building modeler that optimizes the design process by integrating any plan with a three-dimensional database that provides automatic elevations, sections and rendered perspectives and animations. In addition, the program can generate a bill of materials and cost estimations with a simple menu command. ArchiCAD makes the design process more intuitive by working the way architects and builders do, using walls, slabs and roofs, with libraries for specific objects like windows, doors, furniture, stairs, etc. Through its GDL, a programming language for creating 3D objects and macros, an unlimited number of customized objects are possible. The program includes PlotMaker, 600 object library and one-year technical support and software upgrades
$4,450 retail; site licensing and discounts available
$495 retail; student version
Graphisoft; 400 Oyster Point Blvd., Ste. 429; So. San Francisco, CA 94080; 415-266-8720, 800-344-3468 or 415-871-5481 (fax)

Architectural Blocks For AutoCAD
Block libraries
Macintosh II or larger; AutoCAD Release 10, R11, R12.

Architectural Blocks consists of four two-dimensional block libraries for use with AutoCAD: Interior Components, Interior Furnishings, Exterior Components and Specialties. A three-dimensional library, 3D Blocks, is also available. All are .DWG or .DXF format. Each of the four two-dimensional libraries contains symbols in plan and elevation, selected for AutoCAD users with specific block requirements. The Interior Components library includes 275 blocks covering a range of fixtures, such as bathroom fixtures and accessories, and commercial and residential appliances. The 150 blocks in the Interior Furnishings library include commercial and residential furniture, indoor plants and office equipment. The Exterior Components library contains 200 blocks of trees, figures, vehicles and other outdoor symbols. The Specialties library includes more than 140 specialty symbols, covering retail storage and shelving, health care equipment, civic and public works symbols and handicapped ramps, stalls and residential layout. The 3D library includes more than 280 three-dimensional blocks that cover a full range of commercial and residential applications, including office equipment, furniture and sitework.
$199 retail; 2D Blocks
$199 retail; 3D Blocks
Ketiv Technologies, Inc.; 6601 NE 78th Ct., A-8; Portland, OR 97218; 503-252-3230, 800-458-0690 or 503-252-3668 (fax)

Architrion II, Release 5.8
Professional integrated CAD software for architecture and the building industry
Macintosh with a math coprocessor (PowerPC native version available); 8 MB of RAM (12 MB recommended); hard disk drive; System 7.0 or later.

Architrion is integrated architectural CAD software developed for architects, interior designers, urban planners and builders. Architrion provides an advanced 3-D modeling environment that is both fast and simple to use. Models can be created and modified in section or plan view and visualized from any perspective angle. Tools can be used in combination for intricate and accurate positioning of building elements. The built-in heliodon allows for accurate shadow studies. A complete architectural drafting module takes care of production drawings. Sections, plans and elevations are automatically extracted from the model and used as the basis for working drawings. The 2-D module includes a full set of drafting tools, complete DXF transfer

capabilities, plotter and printer drivers, symbol libraries, etc. Among many other new features, Release 5.72 incorporates a new photorealistic rendering module with multiple light sources, ray tracing, reflections and refractions, texture mapping and a whole new array of rendering tools. It also allows users to record walkthrough sequences as QuickTime movies. Architrion's integrated modules enable users to explore, visualize, document, quantify and communicate their designs simply and efficiently.
$4,495 retail; includes a one-year technical support hotline
BAGH Technologies; 6700 Parc Ave., Ste. 250; Montreal, Quebec, Canada H2V 4H9; 514-273-0522, 800-561-0522 or 514-273-3059 (fax)

Art EPS "Architectural And Landscape Graphics"
Architectural plan symbols
Any Macintosh; Adobe Illustrator, MacDraw or compatible.

Art EPS are PostScript architectural plan symbols in Adobe Illustrator format for designing or illustrating architectural and landscape plans, elevations and views. A complete selection of standard architectural symbols for plumbing, electrical, furniture, fixtures, windows, doors, plan symbols, trees, bushes, foliage and rocks are included. They are also available in PICT format.
$49.95 retail
Freemyers Design; 575 Nelson Ave.; Oroville, CA 95965; 916-533-9365

AuraTurn 2.0
2 axis turning package
Macintosh SE or larger (Macintosh II recommended); 2 MB of RAM (4 MB recommended); hard disk drive; math coprocessor and large, color monitor recommended; System 6.0 or later.

AuraTurn is a complete 2 axis turning package that offers powerful CNC programming tools for almost any lathe job. Every copy of AuraTurn comes complete with AuraCAD 3.4 and AuraIGES/DXF. AuraCAD and AuraTurn team up to provide complete, professional design and programming capabilities to save production time without having to learn two different software systems for CAD and CAM functions. AuraTurn's programming capabilities include a standard FANUC output for OD/ID contour turning, OD/ID groove cutting, face cavity cutting, drilling, boring and tapping processes. AuraTurn operates with easy selection of geometry by mouse with pull-down menus for all machining processes and features a built-in NC file editor, automatic computation of speeds and feeds, user-definable libraries for all OD and ID cutters, drills, taps and more. AuraTurn can store up to 10 different machine tool communications parameters and send and receive files from the machine control. Post processors for most standard controls are included. Video Assist training cassettes tutor new users in all aspects of CAD and CAM. AuraTurn can also be added to the AuraCAS Station, a fully-integrated 2 1/2 axis milling programming and computer-aided setup system for milling machines that is fast, powerful and easy to use.
$1,995 retail
Aura CAD/CAM, a Division of Aura Systems, Inc.; 2335 Alaska Ave.; El Segundo, CA 90245; 310-536-9207 or 310-643-8718 (fax)

Clerk Of The Works
Integrated accounting, job costing and project tracking software for architects, engineers and designers; Time and Expense, Billing and Accounts Receivable, General Ledger, Accounts Payable, Payroll
Macintosh SE or larger; 20 MB hard disk drive; ImageWriter or LaserWriter.

Clerk of the Works is an integrated accounting system for design professionals that handles Time & Expense, Billing & Accounts Receivable, Payroll, Accounts Payable and General Ledger. The program conforms to AIA guidelines and is customizable to fit a user's business. Time & Expense maintains records on staff, clients, projects by phase and task, reimbursable and non-reimbursable expenses and outside services. Billing & Accounts Receivable automatically invoices time and expense, fixed fee and percent of construction projects. Sixty-seven (67) reports are provided. Users need only input information once, and it is automatically posted everywhere in the system.
$995 retail
$1,495 retail; with payroll
Samsara, Ltd.; Distributed by: Bear Fox Technologies; 700 7th St.; San Francisco, CA 94107; 415-558-9615 or 800-743-3543

The Construction Administration Checklist
Construction inspection checklists
Macintosh Plus or larger; 800K disk drive; 20 MB hard disk drive; Microsoft Word or WordPerfect.

The Construction Administration Checklist is a comprehensive set of construction inspection checklists. It is also a documentation and management system that assures that what gets built is what is supposed to be built. It is a system that users can customize to fit their needs, and use to save thousands of dollars and endless hours of trouble in the years ahead. The checklist can be used to: check off the work that is complete, incomplete or needs correcting; remind users of every hidden part of work and coordination between trades, including materials grades and standards, proper storage, work preparation, related work, methods of installation, workmanship, repairs and cleanup; write in names, dates and problems, what is to be done and who is to do it; and use it as a ready-made punch list for closing out jobs. At the end of a job, users will have a construction observation log that will provide priceless documentation if and when claims later arise.
$75 retail
$10 retail; sample disk in Microsoft Word only (all checklists on one sample disk)
Guidelines; PO Box 456; Orinda, CA 94563; 510-254-9393

Design And Planning Checklists
Checklists of every phase of building-design decision making
Macintosh Plus or larger; 1 MB of RAM; 20 MB hard disk drive; 800K disk drive; Checklist format (Microsoft Word or WordPerfect).

Predesign And Planning Checklists is a HyperCard checklist on building-design decision making, including site work, structure, exterior construction, interior construction and fixtures and finishes. Predesign And Planning Checklist also provides the following reports: a checklist of contents for each working drawing sheet; construction notes required for plans, elevations and sections; keynotes for each working drawing sheet; a list of construction details that will be required for a job; and an outline of required specification sections. The program is coded and coordinated with CSI Masterformat.
$75 retail; Checklist (Microsoft Word or MacWrite)
$10 retail; sample disk in Microsoft Word only (all checklists on one sample disk)
Guidelines; PO Box 456; Orinda, CA 94563; 510-254-9393

Design Your Own Home: Architecture
Allows users to draw floor plans, elevations and structural details
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; ImageWriter or LaserWriter optional.

Design Your Own Home: Architecture allows users to draw floor plans, side view building plans and structural details. Besides including all standard drawing tools and features, the program shows measurements related to real world sizes as a user draws. The stud/beam repeater function calculates lumber and does detail drawing in seconds, allowing users to change stud orientations and lumber sizing as they wish. Other features include: quick scanning all the plans on a user's disk; overlay (allowing layering of details, such as electrical or plumbing schematics, or second floors); rulers, grid snap and grid points; measurements in feet/inches or centimeters; auto-dimension lines; auto-scrolling; and the capability to save new windows with default configuration options for rulers, grid, scale and others. The Macintosh version comes complete with a library of predrawn architectural shapes to scale and dozens of sample building plans that can be used as is or customized.
$99.95 retail
Abracadata, Ltd.; PO Box 2440; Eugene, OR 97402; 503-342-3030, 800-451-4871 (sales) or 503-683-1925 (fax)

Design Your Own Home: Interiors
Decorating and interior furnishing software
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.03 or later.

Design Your Own Home: Interiors is decorating and interior furnishing software that includes a variety of drawing tools and patterns. It enables users to plan the decor for rooms in their house from the top view and then let them view the room from four different sides. The program can display line dimensions and angles on top and side views. The program includes hundreds of pre-drawn, to-scale furniture pieces for every room in the house.
$99.95 retail
Abracadata, Ltd.; PO Box 2440; Eugene, OR 97402; 503-342-3030, 800-451-4871 (sales) or 503-683-1925 (fax)

Design Your Own Home: Landscape
Landscape design software
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.03 or later.

Design Your Own Home: Landscape is landscape design software that enables users to plan their landscape using a built-in object library that includes hundreds of pre-drawn trees and shrubs. Objects placed in a top view of the property can be seen in four side-view perspectives. Plants can be aged on screen to help users determine proper placement. A variety of drawing tools and patterns are provided to allow users to customize plans.
$99.95 retail
Abracadata, Ltd.; PO Box 2440; Eugene, OR 97402; 503-342-3030, 800-451-4871 (sales) or 503-683-1925 (fax)

DesignWorkshop
Intuitive three-dimensional modeling software
Macintosh II or larger with math coprocessor or Power Macintosh; 8 to 16 MB of RAM; System 7.0 or later.

DesignWorkshop is a design-oriented 3-D modeler. Focused on the needs of architects and related design professionals, DesignWorkshop makes it possible to actually design buildings in live 3-D. Users create intuitively in a unified 3-D environment, unencumbered by complex command sequences. Solid objects and openings are created, moved, resized and reshaped graphically with the 3-D crosshair or numerically with floating-point precision. The innovative modeling interface makes DesignWorkshop an ideal conceptual modeler. Its powerful tools also allow modeling in fine detail for complete 3-D exterior and interior design definition. Rendering capabilities include fast shading and view-independent shadow-casting for design purposes, with the sun position set by latitude, date and time. The native version for Power Macintosh provides a radical 6 to 10 times performance boost for real-time modeling and viewing.
$895 retail; competitive upgrades and academic pricing available
Artifice, Inc.; PO Box 1588; Eugene, OR 97440; 503-345-7421 or 503-346-0782 (fax)

Desktop Architect 2.0
Professional detailing system
Macintosh Plus or larger; SuperPaint 2.0.

Desktop Architect allows users to assemble new drawings from predrawn components. Components are organized in individual documents called Parts Kits. Each Parts Kit is unique to detail type and contains a work space along with a corresponding note for each component. Desktop Architect maximizes the advantage of the Macintosh by providing a database, as well as a vehicle for assembling details. It is versatile enough to conform to any building type, including residential, multifamily, light commercial and commercial renovation. Parts Kits include: wall sections, cross sections, plan view details, structural steel detailing, door details, window details, interior elevations, door elevations, window elevations and roof truss diagrams.
$299 retail; includes comprehensive detail library
Desktop Architect; 27 E. Russell St., Ste. 101; Columbus, OH 43215; 614-469-9906

These Products Available Through Bottom Line Distribution
1-800-347-1923

Expert Home Design
Interior design and planning software
Macintosh Plus or larger; 2 MB of RAM (4 MB recommended for System 7); hard disk drive; System 6.0.5 or later.

Expert Home Design turns everyone into a home interior designer or planner. With a click of the mouse, furniture, windows and even walls can be easily moved or re-sized. Expert Home Design's powerful compliment of drawing tools allows users to be in complete control of the layout. Its precise measurement features can display the dimensions of objects on the screen every time they are drawn or re-sized. Expert Home Design's simple-to-use libraries offer a wide range of furniture clip art that can be easily used by simply dragging an object from the library into its new position on the screen. Expert Home Design scales the new object to a user's specified layout dimensions. Expert Home Design provides users with a 200+ piece customized furniture library (which includes office related objects), to which they can add colors and patterns as they try other arrangements. The program prints in color to Macintosh-compatible color printers.
$49.95 retail
Expert Software, Inc.; 800 Douglas Rd., North Tower, Ste. 750; Coral Gables, FL 33134; 305-567-9990, 800-759-2562 or 305-443-0786 (fax)

Expert Landscape Design
Landscaping
Macintosh Plus or larger; 2 MB of RAM (4 MB recommended for System 7); hard disk drive; System 6.0.5 or later.

Expert Landscape Design enables even the most novice user to be his or her own landscape architect. Adding one of the more than 100+ plants in the extensive library to a layout is as easy as clicking and dragging the object to its new position. Expert Landscape Design does the rest, scaling the object for a user's specified layout dimensions. Then, Expert Landscape's powerful compliment of drawing tools take over, providing users with the power and precision to create the perfect layout. Expert Landscape Design displays the dimensions of objects on screen as users draw or re-size them, including information on an object's height, width and square area.
$49.95 retail
Expert Software, Inc.; 800 Douglas Rd., North Tower, Ste. 750; Coral Gables, FL 33134; 305-567-9990, 800-759-2562 or 305-443-0786 (fax)

Expert Office Design
Layout and planning tool
Macintosh Plus or larger; 2 MB of RAM (4 MB recommended for System 7); hard disk drive; System 6.0.5 or later.

Expert Office Design is a precision layout and planning tool for people who don't have time to learn complicated architectural design programs. Users can design offices from the reception area to the restrooms; drawing walls, windows and doors with precision. If there is an object in the program's library of business furniture elements that users would like to use, all they need to do is select the piece and drag it to its new position. Expert Office Design does all the work, including scaling the new object to a user's layout dimensions automatically. With Expert Office Design's powerful compliment of drawing tools, users are in total control of their layout. Its precise measurement and scaling controls display the dimensions of the objects on screen as users draw or re-size them for a perfect fit.
$49.95 retail
Expert Software, Inc.; 800 Douglas Rd., North Tower, Ste. 750; Coral Gables, FL 33134; 305-567-9990, 800-759-2562 or 305-443-0786 (fax)

Floorplan Plus For Macintosh
Architectural drawing program
Macintosh Plus or larger; 2 MB of RAM.

Floorplan Plus for Macintosh is an easy-to-use architectural drawing program that bridges the gap between a simple paint package and a powerful CAD system. Objects, such as windows, doors, appliances and furniture, are included — or users can create their own library of objects. Users can organize their floorplan into six overlays or levels and draw up to 27 million square feet of space to one-sixteenth of an inch accuracy. Floorplan Plus for Macintosh has a sharp, distinctive look that has many commands, options and tools easily accessible with one click of the mouse. Floorplan Plus 3D for Mac will be available.
$99.95 retail
Computer Easy International, Inc.; 414 E. Southern Ave.; Tempe, AZ 85282; 602-829-9614, 800-522-3279 (sales) or 602-829-9616 (fax)

Foot-Inch Calculator 2.6
Calculator
Macintosh 512K or larger.

The Foot-Inch Calculator makes a scrolling, printable tape of all calculator operations. If a mistake is made, users just edit the tape and the program will recalculate. Many functions include: conversions, brick coursing, areas, slope and circumference. The Foot-Inch Calculator is System 7 compatible.
$39 retail
Neal Duncan; 1824 Belmont Rd. NW, Ste. B1; Washington, DC 20009; 202-667-1494

GeoCAD
Architectural application to AutoCAD
Macintosh II or larger; 8 MB of RAM; AutoCAD Release 11 and 12.

GeoCAD is an architectural application to AutoCAD. It contains symbol libraries and routines that create complete presentation and working drawings, including plans, details schedules, architectural fonts and much more. GeoCAD has a uniquely friendly graphic interface that builds on architects' skills instead of forcing them to learn new ones.
$800 retail
GeoCAD, Inc.; 33 Laurel Rd.; PO Box 186; Pound Ridge, NY 10576; 914-764-4072 or 914-764-5322 (fax)

Geovue
Generates perspectives from elevations and plans created in AutoCAD
Macintosh II or larger; 4 MB of RAM; AutoCAD.

Geovue generates one- and two-point perspectives from simple, two-dimensional elevations and plans created in any version of AutoCAD 2.6 and later. It is ideal for perspective and massing studies and for backgrounds for professional rendering. Perspectives are created entirely inside AutoCAD. Perspectives are two-dimensional and can be edited, saved and plotted like any other AutoCAD drawing. Geovue perspectives are constructed by assembling elevations in relation to the horizon. Each elevation is selected in turn and aligned in plan. The processed plan is then placed and rotated in the Picture Plane and a perspective appears below.
$395 retail
$195 retail; with GeoCAD
GeoCAD, Inc.; 33 Laurel Rd.; PO Box 186; Pound Ridge, NY 10576; 914-764-4072 or 914-764-5322 (fax)

Guidelines Master Detail Library
Standard construction detail components
Macintosh Plus or larger; 20 MB hard disk drive; 800K disk drive; MacDraft, MiniCad, PowerDraw.

Guidelines Master Detail Library includes more than 1,200 standard components, plus variations of parts and connectors. It is a construction kit for making thousands of original details, thousands of detail notes — including the freedom to enlarge, reduce and reshape details and components — and periodic updates and additions. Details are available as a complete set or as separate modules: Detail Module 1, site work; Detail Module 2, roofs, walls, doors and windows; Detail Module 3, interior construction; Detail Module 4, foundations and light framing; and Detail Module 5, architectural plan and elevation symbols.
$120 retail; per module ($95 each with purchase of two or more)
$450 retail; complete set
$10 retail; sample disk
Guidelines; PO Box 456; Orinda, CA 94563; 510-254-9393

Guidelines Model Specifications
Specification checklists
Macintosh 512K or larger (Macintosh Plus or larger recommended); 20 MB hard disk drive; 800K disk drive; Microsoft Word.

Guidelines Model Specifications' features include: more than 300 pages of checklist specification data, plus references and worksheets; more than 3,000 checklist specification entries; coordination guides to engineering specifications; and no-frills specification entries written as checklists of precise instructions to contractors. Checklist specs are also construction punch lists, which help to assure that the work at a job site is built as specified, and instructions for making master specifications.
$298 retail
$10 retail; sample disk
Guidelines; PO Box 456; Orinda, CA 94563; 510-254-9393

HouseMap
Speeds up "as-built" works
Macintosh II or PowerBook; 4 MB of RAM; 40 MB hard disk drive; System 7.0 or later.

HouseMap, developed particularly for PowerBook users, is aimed at speeding up "as-built" works. Just by entering the taped measures, users can reproduce the rooms' floorplan in a scaled drawing and can verify the correctness of the assigned values directly on the site. HouseMap follows the traditional working methodology; the geometry of each room is fixed by a triangular grid, which is traced with the dimensioned walls and diagonals. In the walls — characterized by height and length — users "cut" the scaled doors and windows. Each fixed room is given a name and stored. Individual rooms are progressively assembled to reproduce the whole aggregate in one drawing. Two connection modes are provided: one by doors and the other by fixed reference points. An outer perimeter is eventually added to delineate walls. The drawing is completed by the addition of texts, dimensions, hotspots, library objects and surface calculations. All quantity calculations related to each room (dimensions/areas of the walls; size of doors/windows; and perimeter, floor surface and volume of the room) and to the whole project are available. HouseMap exports in GDL, DXF, text and PICT formats and outputs to a printer.
$750 U.S. retail
Cigraph s.r.l.; Via Orsato, 38; 30175 Mestre (VE), Italy; 041-932388 or 041-920031 (fax)

Landscape Library
Plan and elevation view of landscape items, as well as family, scientific and common name text labels
Macintosh Plus or larger;2 MB of RAM; hard disk drive; PowerDraw 4.0 or later; PowerCADD 1.0 or later.

The Landscape Library is one of the most complete libraries of landscape symbols and text labels available specifically for landscape architects, architects and landscape construction and design firms today. The 82 graphics libraries contain plan and elevation views of trees and shrubs, as well as rock garden symbols. Graphics and text labels are organized in a manner to assist selection. Common, family and scientific names are listed alphabetically and grouped by category, such as ground covers, hedges, shrubs, trees, vines, seasonal colors, size and much more.
$79 retail
Engineered Software; 615 Guilford-Jamestown Rd.; PO Box 18344; Greensboro, NC 27409; 910-299-4843

LandWorks
CAD system for landscape design
Macintosh SE or larger.

LandWorks is a powerful CAD system for landscape design professionals. It is based on the PowerDraw program. The program comes complete with PowerDraw, landscape symbols library, irrigation symbols library and detail library. There is both an on-screen tutorial and hardcopy tutorial that walks users through the program from a landscape point of view. The program has links to both PlantMaster and the Landscape Estimator for full design studio work.
$950 retail
Acacia Software; 2899 Agoura Rd., Ste. 652; Westlake Village, CA 91361; 805-499-9689 (phone/fax)

MacHeliodon V3.0.1
Architectural sun shading calculator for building designers
Macintosh Plus or larger; 1.6 MB of RAM.

An indispensable tool designed by architects for architects, MacHeliodon will quickly and easily calculate the exact position of the sun at any time of the day, on any day of the year, anywhere in the world. It will also calculate and graphically show the shading effect of an overhang of a user's specifications. MacHeliodon allows architects and building designers to evaluate many overhang designs in a matter of minutes, with much more accuracy than the standard sun path diagrams most designers rely on. MacHeliodon has more than 50 major North American and European cities already installed in its database, and each purchaser's location is added before shipping. Adding new locations is extremely easy. Three time systems are supported: solar time, standard time and daylight savings time. New features in version 3.0.1 include: displays multiple shadows at two hour intervals; gnomon feature displays shadow cast in plan at one hour intervals; and sun chart displays sun position in the sky at one hour intervals.
$31.95 U.S. retail
$5 retail; demo disk (credited to purchase)
Eric Rojo; 46-19034 McMyn Rd.; Pitt Meadows, BC, Canada V3Y 2N8; 604-682-2383 (fax)

MacInteriors
Three-dimensional interior design tool
Macintosh Plus or larger; hard disk drive.

MacInteriors is a three-dimensional interior design/space planning tool for room layouts that allows elevations, plans and perspectives to be viewed and printed. Furniture and other objects can be created using the drawing palette. This includes tools for drawing rectangles, cubes, polygons and prisms. Room outlines are drawn using simple wall drawing tools. Doors and windows may be drawn to a user's specifications. Other features include: full color support, pricing and layering capabilities and a library of more than 100 home and office objects. Users can be view and print in 3-D from any height or angle.
$129 retail
Microspot; 12380 Saratoga-Sunnyvale Rd., Ste. 6; Saratoga, CA 95070; 408-253-2000, 800-622-7568 or 408-253-2055 (fax)

MacPerspective 4.0
Three-dimensional line drawings
Macintosh 512K or larger; hard disk drive.

MacPerspective is a program that allows architects, draftspeople, artists and engineers to construct accurate wire-frame perspective drawings of houses, buildings or other objects from dimensioned drawings. Features include: input dimensions in feet and inches or decimal; zoom in and out; click points to draw lines to them; automatic completion of rectangles; set up a secondary coordinate system; move/duplicate/delete objects in 3-D; cut/copy/paste objects in 3-D for transfer to other MacPerspective drawings; print drawings in any desired size on an ImageWriter or LaserWriter (up to 100 inches); orthographic and axonometric views; draw circular and elliptical arcs in 3-D; draw polygons in 3-D; erase hidden line segments; and write Adobe Illustrator files.
$295 retail
Knick Drafting, Inc.; 914 S. Clair St., M17; Melbourne Beach, FL 32935; 407-253-3500

Mum's The Word Plus
Landscape design system
Macintosh Plus or larger; PowerPC.

Mum's the Word Plus is an integrated landscape design system that combines a plant database, object-oriented graphics and an expandable symbol library. Mum's Plus includes information on more than 625 plants. Users may add plants or change plant information. They can select plants based on flower color, season of bloom, height, uses, hardiness zone, soil, exposure, drought tolerance and more. Plant symbols are displayed along with horticultural information. Plants can be dragged from the database to the design or linked to areas in the design. Mum's Plus includes more than 100 landscape symbols, as well as a tool palette, patterns, color, copy and paste, text editing and change of scale. Plant symbols in a design are automatically labeled and a planting list is generated. Symbols are scaled according to height and spread information in the database. Database selection criteria can be used to select plant symbols in the design.
$119 retail
Terrace Software; PO Box 271; Medford, MA 02155; 617-396-0382

Parametric Geodesic Math Generator
Generates dome data
Macintosh 512KE or larger; System 6.0.2 or later.

Parametric Geodesic Math Generator is a geometry utility that assists in the design of geodesic dome manufacturing (octahedron, icosahedron) by offering the following features: user-friendly operation and no previous dome design experience necessary. Coordinate data and chord factors are generated using parametric techniques. Frequency is limited only by memory.
$69 retail
Critical Path Design Sciences; PO Box 43; Oceanside, CA 92049; 619-439-4564

Planit
Computerized kitchen, bath, bedroom and furniture design program
Macintosh Plus or larger.

Planit is a computerized kitchen, bath, bedroom and furniture design program that produces plans, elevations, perspectives and pricing. Graphics are customized to portray any manufacturer's catalog, exactly matching cabinet designs, framed or frameless door styles and door colors. Standard graphics include three-dimensional mitered moldings, rounded cabinets, bathroom fixtures, bedroom furniture, entertainment centers, lamps, fireplaces, couches, plants, etc. Planit's colors accurately match those of a user's kitchen. Custom cabinetry or other objects can be drawn directly onto the screen, much as if sketching with a pencil. Autodesign, pop-down menus, modal dialog boxes and drawing with the mouse all make Planit easy to learn and use. Planit has more than 200 major manufacturer catalogs entered into the system as data files with correct pricing and graphics. At a press of a button, it will print a detailed price quotation, manufacturer's order, price comparisons, installation instructions, customer's invoice or any user-designed report. Planit will design a kitchen automatically and produce architectural-quality plans and elevations, dimensioned and drawn to the scale of a user's choice. Precise perspective and birdseye rendering can be created from any point of view. Planit also features a "MultiView" window that shows any four views in a single window. As an option, Planit can link directly to the Wood-Write cut list program to produce part lists for the cabinets used in the design.
$5,295 retail
Planit USA; Attn: Ted Schooley; 1921 Corporate Square Blvd.; Slidell, LA 70458; 504-649-0484 or 504-649-3849 (fax)

PlantList
Plant material information system
Macintosh Plus or larger; Microsoft Excel 2.2 or later.

PlantList is an easy-to-use plant material information system that simplifies the creation of job specific Planting Schedules and automatically maintains a custom plant material design resource file. PlantList simplifies Planting Schedule generation by automatically filling in the correctly spelled Latin (botanic) plant name when users type in a common name. Schedules may be laser printed for paper copies or sticky-backs. Each time users enter a new plant material listing to a Planting Schedule, it is automatically posted to an Adds List, with the date and name of the job where it was specified. The Adds List, after review and editing, automatically updates a Master Index. The Master Index may be sorted by classification categories of a user's selection, and extensive notes added to each listing. Its value as a design resource information system grows as it is used and personalized.
$48 retail
$4 retail; demo
StormWorks; 2321 Englewood Ave.; Durham, NC 27705; 919-286-6638 (phone/fax)

PlantMaster
Plant information system
Macintosh SE or larger; hard disk drive.

PlantMaster is a plant information system that allows users to look for plants either by characteristics in a cross-referenced search or by plant name. The plants are referenced to color photography in plant books that work with the software. There are eight regionalized versions of the software to serve any area of the United States. The program allows users to create a planting schedule that can be printed in either landscape or portrait mode. The program has maintenance scheduling capability, pricing capability and a large variety of reports, ranging from flower bloom reports to water requirement reports.
$750 retail
Acacia Software; 2899 Agoura Rd., Ste. 652; Westlake Village, CA 91361; 805-499-9689 (phone/fax)

Professional Series Drafting Symbols
Architectural drafting symbols in MiniCad, PICT, DXF file formats
Any Macintosh; MiniCad, Blueprint or any drafting application that reads PICT or DXF file formats.

Professional Series Drafting Symbols is a collection of the most commonly used architectural drafting symbols created by architects for architects and drafting professionals. Four modules are available. Module 1, Architectural, includes kitchen appliances, bathroom/toilet fixtures, windows, doors, utility room fixtures, HVAC symbols, electrical/lighting fixtures, site/landscape planning, dining/conference room furniture, living room furniture, bedroom furniture, game room equipment, office/commercial fixtures and presentation symbols; Cabinetwork, including kitchen cabinets, bath cabinets and bookcase cabinetwork; Doors/Windows, including window elevations and door elevations; and Style Sheets, including a sample project, complete with floor plans, elevations, standard details and schedules, pre-set with layers and symbols in place for "quick-start" drawings. Module A includes more than 250 hybrid (3-D) door and window symbols for MiniCad users. Module B includes more than 200 hybrid (3-D) kitchen, bath and library cabinetwork. Module C includes 200 furniture symbols (3-D hybrid) for MiniCad users.
$99 retail; Module 1 (basic 2-D library; more than 1,200 symbols)
$99 retail; Module A — 3-D Doors and Windows
$99 retail; Module B — 3-D Cabinetwork
$99 retail; Module C — 3-D Furniture
$179 retail; any two modules
$249 retail; any three modules
$299 retail; complete library (all modules)
Williams CadCo; 12734 Benavente Way; San Diego, CA 92129; 619-484-9653 (phone/fax) or 800-321-9193

Project Management Task Modules
More than 1,000 administrative tasks for project management
Macintosh Plus or larger; 1 MB of RAM; 20 MB hard disk drive; 800K disk drive; Checklist format (Microsoft Word or WordPerfect).

Project Management Task Modules is a hyperstack checklist of more than 1,000 administrative tasks normally required in managing projects. The program includes client relations, feasibility studies, predesign, EIR and code searches, design development, working drawing production, bidding, shop drawing checking, construction contract administration and postconstruction administration. All HyperCard tasks are coordinated with AIA contract documents and procedures.
$75 retail; Checklist (Microsoft Word or MacWrite)
$10 retail; sample disk in Microsoft Word only (all checklists on one sample disk)
Guidelines; PO Box 456; Orinda, CA 94563; 510-254-9393

Residential Construction Symbols Library
More than 1,000 architectural and construction symbols in plan and elevation views
Macintosh Classic or larger; PowerDraw 4.0 or later; PowerCADD 1.0 or later.

The Residential Construction Symbols Library contains more than 1,000 architectural symbols. The use of these symbol libraries saves hours on each set of construction drawings. Plan and elevation symbols include: interior/exterior doors; garage doors; bi-fold and sliding glass doors; double hung, awning, casement and bow and bay windows; toilets, lavatories, tubs and showers; and kitchen appliances. Other include: electrical symbols; legends, materials and details.
$125 retail
Engineered Software; 615 Guilford-Jamestown Rd.; PO Box 18344; Greensboro, NC 27409; 910-299-4843

These Products Available Through Bottom Line Distribution
1-800-347-1923

■ **Short Specs And Very Short Specs**
Architectural specifications
Macintosh Plus or larger.

Short Specs and Very Short Specs are architectural specifications for light construction projects. These are real specs, used everyday in practice, ready for users to edit, customize and use. Features include: no section over a page long; two versions available on disk (Microsoft Word files or text files); perfect starting point for a user's own small project or builder's specifications; follow the CSI numbering pattern; presented in checklist format; short spec sections are a "less is probably enough" version of very short specifications; and variable choices of critical items, perfect for hidden text editing.
$75 retail; Short Specs
$55 retail; Very Short Specs
CDG Architects; 345 E. Toole Ave., Ste. 202; Tucson, AZ 85701; 602-629-9752 or 602-798-3341 (fax)

SunDial 3.0
Solar calculator
Macintosh 512K or larger.

SunDial is a solar calculator that displays the position of the sun for any Earth location and any time. This fast, easy-to-use program is ideal for photographers, architects, planners and anyone who needs to know where the sun will appear in the sky at any given time and place. Several graphic display options are provided: Plan View is similar to the familiar static sun charts; Oblique View is a 3-D display that shows the sun in a "celestial sphere" around the local horizon. All views show the sun and the shadow cast by either a sundial gnomon or a movable wall that can be oriented in any direction. The sun's Alt-Az coordinates are given and its RA-Dec coordinates are available on demand.
$39 retail
Neal Duncan; 1824 Belmont Rd. NW, Ste. B1; Washington, DC 20009; 202-667-1494

SuperScape Landscape Management System
Business management system for landscape companies
Macintosh LC or larger; 4 MB of RAM; 40 MB hard disk drive; ImageWriter II; backup system is recommended.

The SuperScape Management System is a complete, integrated business management system for landscape companies. The program manages multiple customers, locations, contracts, sales invoices, accounts receivable, services, scheduling, work orders, estimating, accounts payable, cash management, employee time cards and information, contract analysis: bids vs. actual and team accounting. Invoices are automatically generated when contracts or work orders are input. Unpaid invoices are tracked by Accounts Receivable available with the cash management module, which also manages accounts payable. The estimating system permits quick and easy preparation of bids. From here, estimates can be used to finalize a contract and produce a schedule of work. Work orders are automatically generated from the contract's schedule of services. Contract analysis compares income generated against cost of labor and materials. Labor costs come from time cards and material cost are drawn from vendor invoices and work orders. Contracts can also be analyzed by actual cost compared to costs estimated at time of bidding. Team accounting allows for the financial comparison of different teams or crews.
$895 to $1,895 retail; priced per module
SoftQuest, Inc.; 8711 Burnet Rd., Ste. F68; Austin, TX 78758; 512-452-4500, 800-299-9991 or 512-452-2378 (fax)

Working Drawing Planning And Management
Checklist for planning and coordinating working drawings
Macintosh Plus or larger; 800K disk drive; 20 MB hard disk drive; Microsoft Word and WordPerfect.

Working Drawing Planning and Management is a complete checklist for planning and coordinating a user's working drawings. All elements are listed by drawing, from sitework through every phase of architectural construction. The checklists are also a project assignment guide for all drafting staff. Once filled in for a project, the checklists direct staff whether the supervisor is in the office or not. The checklists assure that all elements that are supposed to be in the drawings are done, both completely and accurately. The checklists are specification and construction detail coordinators, too. As users check off working drawing components, they automatically create a checklist of items to be specified and a checklist of all details that must be in the drawings. CSI coordination numbers are used throughout.
$75 retail; Checklist (Microsoft Word or MacWrite)
$10 retail; sample disk in Microsoft Word only (all checklists on one sample disk)
Guidelines; PO Box 456; Orinda, CA 94563; 510-254-9393

Vertical Markets/Banking, Finance

The Banker's Compliance Model
Two-year monthly and five-year annual commercial bank simulation model for bank compliance/planning
Macintosh Plus or larger; Microsoft Excel or equivalent spreadsheet; printer recommended.

The Banker's Compliance Model allows bankers to do complete short-term and longer-term financial simulation and forecasting of their bank's financial statements, including Statement of Earnings and Retained Earnings, Balance Sheet, Statement of Changes in Financial Position, Cash Flow Statement, Financial Ratio Analysis and Valuation Analysis of the Bank (i.e., what is it worth from seven or eight different financial perspectives). The chart of accounts in The Banker's Compliance Model are on a detailed basis as follows: commercial loans, commercial loan fees, SBA servicing fees, real estate loans, real estate loan fees, leases, consumer loans, consumer fees, extended checking, investments, due from banks time deposits and FED funds sold, as related to various sources of income; Super NOW, money market savings, Freedom accounts, regular savings, small CDs, IRAs, large CDs and public funds, as related to interest expense items; etc. The banker simply enters basic data and assumptions and the models do the rest, while meeting commonly accepted accounting principles. This system is ready to use and has a minimal learning curve (no formal training is required). Users simply follow the input screen to enter their data and assumptions and The Banker's Compliance Model does the rest, supplying all the logic, equations and formats. The models are easily customizable.
$5,000 suggested retail (special: $2,995); includes full technical support
ILAR Systems, Inc.; 334 Baywood Dr.; Newport Beach, CA 92660; 714-759-8987, 714-640-2985, 800-777-4920, 714-720-1530 (fax) or 714-640-7233 (fax)

Compare-A-Loan
Performs loan amortization, loan comparison and refinancing analysis
Macintosh Plus or larger.

Compare-A-Loan allows users to compare several aspects of up to five different types of loans on a single report. It is designed to assist users in making financial decisions in regard to loan applications. A Refinancing Analysis report helps users determine the best refinancing alternative. Most types of loans may be handled using the following features: fixed or variable interest rates; odd day interest; 360 or 365 day interest; fixed or variable payments; extra principal payments; skipped payments; fixed principal payments; negative amortization; balloons; points and fees; seven payment intervals; and Canadian mortgages. Compare-A-Loan compares annual principal, annual interest, cumulative principal, cumulative interest and principal balance for up to five loans at once. It generates complete or partial customized amortization schedules for any of the loans entered. APR disclosure statements may also be printed. Several reports may be displayed on the screen at the same time. All reports may be sent to word processing and spreadsheet programs for inclusion in other documents.
$79.95 retail
Softflair, Inc.; 2500 W. County Rd. 42; Minneapolis, MN 55337; 800-553-8338 or 612-894-9716 (fax)

Compare-A-Loan Pro
Performs loan amortization, loan analysis, loan comparison and refinancing analysis
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.

Compare-A-Loan Pro performs loan amortization, loan analysis, loan comparison and refinancing analysis. Most types of loans may be handled using the following features: fixed or variable interest rates; odd day interest; 360 or 365 day interest; fixed or variable payments; extra principal payments; skipped payments; fixed principal payments; negative amortization; balloons; points and fees; seven payment intervals; Canadian mortgages; rule of 78s, US rule and actuarial interest computations; nominal, effective and periodic rates; extra payment series; exporting of reports to text files; and several miscellaneous interest rate options. It generates complete or partial customized amortization schedules and APR disclosure statements. Compare-A-Loan Pro also solves for the unknown loan variable, even with variable payment amounts and/or variable interest rates. All reports may be sent to word processing and spreadsheet programs for inclusion in other projects. Compare-A-Loan Pro also has graphing capabilities and can produce six different graphs.
$129 retail
Softflair, Inc.; 2500 W. County Rd. 42; Minneapolis, MN 55337; 800-553-8338 or 612-894-9716 (fax)

Credit Profiler!
Credit reports
Any Macintosh; modem.

Credit Profiler! pulls credit reports from TRW or CBI/Equifax. While a user enters a subject's information, Credit Profiler! formats it. It then dials the credit bureau, signs on, pulls the credit report and displays it for viewing, printing and/or saving. Credit Profiler! replaces antiquated teletype terminals with the Macintosh interface, while providing additional features, such as plain-English prompting and formatting, the capability to correct inputs, context-sensitive spell checking and the capability to save, review and print reports. Other features include: automatic recovery/resend, multiple inquiry modes for each bureau and direct modem access (for dumb terminal emulation).
$195 retail
QED Technologies; PO Box 216; Merrimack, NH 03054; 603-882-0810

Financial Genius
Calculates present and future value, net present value and internal rate of return
Macintosh Plus or larger.

Financial Genius calculates present and future value, net present value and internal rate of return with mixed or constant cash flows and fixed or variable rates. It performs extensive what-if analysis, as it solves for the unknown variable, including payment amounts for normal and deferred annuities. There are options for both beginning or end of period and positive or negative cash flows. Financial Genius also generates detailed present value, future value, net present value and annuity statements, so a user can verify the calculations or present to a client. It also has extensive loan amortization capabilities. Detailed amortization schedules and APR disclosure statements may be generated. All reports may be customized by a user and sent to the Clipboard to be pasted into other Macintosh programs.
$129 retail
Softflair, Inc.; 2500 W. County Rd. 42; Minneapolis, MN 55337; 800-553-8338 or 612-894-9716 (fax)

KayElleware — Lending Software (FNMA)
Produces a complete packet of loan forms
Macintosh with 68020 processor or larger; 12-inch color or monochrome monitor recommended; FileMaker Pro 2.0.

KayElleware is a mortgage program designed especially for mortgage loan solicitors or lenders to assist in preparing the necessary mortgage loan forms needed for FNMA underwriting. A lender simply enters all the necessary financial and personal information on an applicant onto the Data Entry screen. Once the data is logged, the interviewer pushes a few on-screen buttons and a complete four-page FNMA 1003 is generated on a LaserWriter or DeskWriter

printer. The production quality is exactly that of the original application form. All the calculations of client income, debits, assets, details of transaction and much more are done automatically as to FNMA specifications. The program will also produce the Verification forms, client Financial Statement, R.E.O. schedule, FNMA 1008 Transmittal, Good Faith Estimate and Reg Z. Besides the FNMA 1003 Application, the Financial Statement, Reg Z, FNMA 1008 Transmittal and R.E.O. schedule will also calculate the necessary debt to income ratios, net worth, assets, liabilities, etc., as per FNMA specifications. The records can also be modified later by a user to generate mailing labels, loan volume reports, etc. With this program, a lender can save hours of taking applications by hand. Any future changes made to the application are automatically updated and ready for reprinting. KayElleware is multiuser on a network and can be used on PowerBooks or Notebooks for portability. It also runs on MS Windows.
$495 retail
KL Software; 351 Scott Dr.; Ormond Beach, FL 32174; 904-677-0032 (phone/fax)

Loan-Master
Home loan quotation system
Macintosh Plus or larger, including PowerBook; FileMaker Pro.

Loan-Master is a quick home loan quotation system for the active loan officer. A screen full of empty boxes, which when filled in, perform all kinds of calculations, including printouts and letters to borrowers. Information is immediately transferable to another module for creating 1003s, 1008s, verifications and processor documentation. Users enter information and get instant answers to ratios, payments, taxes, escrow, title fees, savings and costs, with loan parameters being preprogrammed. By pressing an on-screen button, users can generate a professional letter, pre-qualification or refinancing work sheet on company stationery, suitable for mailing. Now loan officers can track thousands of borrowers with multiple quotes, turning some of them into loans. Users can upload to Processor-Master for loan processing, 1003s, verifications and submission to funding tracking. The program can be used in either Macintosh or IBM Windows environments.
$179 retail; Loan-Master
$249 retail; Processor-Master
$15 retail; demo disk
MacNerds; 521 Jobe Hill Dr.; Vista, CA 92083; 619-758-1700 or 619-758-1105 (fax)

LoanMaster 3.0
Mortgage servicing software
Macintosh with 68030 or larger processor; 2 MB of RAM; 20 MB hard disk drive.

LoanMaster is a mortgage loan management and servicing system. It services loans that are fully or partially amortized, as well as interest only. It creates coupons and automatically calculates and displays interest as payment is applied. Late fees are automatically assessed and delinquent payments tracked. The system enables fractionalization of loan or loans among participating investors, prints checks to investors on a user's check stock or will cut laser checks. A service fee may be taken at user's option. Year-end 1098 and 1099 reporting is included. All Borrower and investor data can be exported to word processors, spreadsheets and/or other accounting programs with choice of standard formats. More than 20 standard reports are included. ACI runtime software for 4D is required, and customization is available.
$2,995 retail
$100 retail; each additional workstation
Demo disk is available
Proflex Software Co.; 1186 S. Diamond Bar Blvd., Ste. 516; Diamond Bar, CA 91765; 909-396-9710 or 909-396-7650 (fax)

Mortgage Loans — Is It Time To Refinance?
Determines whether users should refinance mortgage loans
Any Macintosh; Microsoft Excel or ClarisWorks.

Mortgage Loans — Is It Time to Refinance? determines whether users should refinance mortgage loans. It applies to both residential loans for homeowners, as well as business loans secured by commercial or industrial properties. As interest rates fluctuate, opportunities inevitably arise for borrowers to save substantial sums of money by refinancing. The program analyzes the complex question of whether or not it will be profitable to refinance by determining the actual net present value (NPV) benefit or cost of the proposed refinancing.
$89 retail
Larry Rosen Co.; 7008 Springdale Rd.; Louisville, KY 40241; 502-228-4343 or 502-228-4782 (fax)

MortgageShop
Mortgage processing database
Macintosh Plus or larger; 4 MB of RAM; 20 MB or larger hard disk drive; FileMaker Pro.

MortgageShop is a comprehensive mortgage processing database that runs on both industry-standard PCs with Windows and on Apple Macintosh computers. It was designed using FileMaker Pro and is fully compatible with both PC and Macintosh environments. It handles conventional, FHA and VA loans and prints all necessary forms and disclosures. The data entry screens simulate actual forms and allow processors to immediately begin entering information without special training or practice. MortgageShop is fully networkable and was designed using an open architecture that allows the database to be customized to suit a user's needs without special programming knowledge.
$1,995 retail
ETHOS Marketing Group, Inc.; 1140 Pearl St., Ste. 206; Boulder, CO 80302; 303-442-4010 or 303-442-2247 (fax)

Smart Investor Dictionary
Dictionary of financial, investment and real estate terms
Macintosh Plus or larger; System 6.0 or later.

The Smart Investor Dictionary is a multimedia, HyperText, cross-referenced collection of terms used in the world of finance, investment and real estate industries. With more than 2,200 hyper-linked definitions, the Smart Investor Dictionary provides a highly efficient and rapid reference to the lexicon of the world of finance, investment and real estate. Terms are clearly defined and cross-referenced to avoid the syndrome of investment jargon being defined with more investment jargon. All terms and definitions are "Hot-Linked" with buttons to related terms in the dictionary, and can be accessed with the click of a mouse. Searching by text reference allows for sophisticated definition retrieval for the more advanced professional.
$49.95 retail
Big Sur Software; 480 Lytton Ave., Ste. 2A; Palo Alto, CA 94301; 415-325-9649 or 415-326-2472 (fax)

Vertical Markets/CAD/CAM

AAC-Float
Hydrostatic flotation of yachts
Macintosh Plus or larger.

AAC-Float is the basic module of the AAC-MAR computer programs that accepts the canoe shape specified by a designer and carries out rapid flotation in flat water, uprighted and heeled, with fixed or free pitch attitude. This program has been formulated to provide a designer with a user-friendly interface, rapid and precise analysis and well-organized, highly informative report summaries. Its Macintosh output is comparable to other IBM-compatible flotation programs. However, AAC-Float includes new submerged aspect ratio canoe parameters and basic information for IACC rating a hull. AAC-Float is available without need to purchase the more expensive AAC Macintosh programs. The simple graphics of AAC-Float 1 permits a rapid check of bulk-head input. The graphics of AAC-Float 2 includes canoe side and top view, floated bulkheads and canoe's cross-sectional area distribution curve.
$150 retail; AAC-Float 1
$250 retail; AAC-Float 2
Advanced Aeromechanisms Corp.; 7777 Fay Ave., Ste. 219; La Jolla, CA 92037; 619-459-2119 or 619-459-0879 (fax)

AAC-MAR
Hull analysis with submerged volumetrics for design synthesis
Macintosh Plus or larger.

AAC-MAR expands the in-depth analysis and advanced design features of AAC-Vision, with special submerged canoe volumetrics (AAC-SUB). This routine analyzes the submerged portion of the uprighted and heeled canoe by subdividing it into three submerged sub-volumes parallel to the water's surface, and provides data to determine the influence of each sub-volume on righting moments (z-y volumetrics with local CBs) and on wave and friction drag (z-x volumetrics with local CB, draft and prismatics). The graphics package of AAC-MAR includes the graphics of AAC-Vision 2, expanded with AAC-SUB's volumetrics. Therefore, AAC-MAR's graphics covers hydrostatics, curves of selected hydrodynamic parameters, volumetrics of three canoe sub-volumes and representations of heavily pitched canoe conditions. In the hands of an experienced designer, AAC-MAR permits a comprehensive and sophisticated design synthesis for new hulls.
$950 retail
Advanced Aeromechanisms Corp.; 7777 Fay Ave., Ste. 219; La Jolla, CA 92037; 619-459-2119 or 619-459-0879 (fax)

AAC-Vision
Flotation and analysis of advanced hulls
Macintosh Plus or larger.

AAC-Vision was originally developed for configuration evaluation of advanced IACC canoes in flat water. Expanding from AAC-Float, it provides an in-depth analysis of hydrostatic and hydrodynamic parameters as a function of heel angles, as needed for preliminary design of advanced hulls, including newly developed aspect ratio canoe terms. Results are available in report form for rapid comparative evaluation, or in considerable detail for sophisticated design work. AAC-Vision can also examine with ease heavily pitched conditions, simulating wave encounters upright and heeled. AAC-Vision 1 has an extensive graphics package that includes floated planviews, side views and bulkheads, each with waterplanes, CB and CG. Cross-sectional area curves include the heeled cases. The graphics of AAC-Vision 2 are expanded to include curves of selected design parameters and coefficients, and can easily generate views corresponding to heavily pitched conditions.
$350 retail; AAC-Vision 1
$450 retail; AAC-Vision 2
Advanced Aeromechanisms Corp.; 7777 Fay Ave., Ste. 219; La Jolla, CA 92037; 619-459-2119 or 619-459-0879 (fax)

Advanced Drafting Tools 1 And 2
Externals for PowerDraw
Macintosh Classic or larger; 2 MB of RAM; hard disk drive; System 6.0.7 or later; PowerDraw 4.0 or later; PowerCADD 1.0 or later.

Advanced Drafting Tools 1 and 2 are a set of Externals for PowerDraw. These Externals contain specialized menu and tool items that add features to PowerDraw. Tools included in Volume 1 are a Trim/Extend tool, Faired Curve Spline tool, Spline Polygon, Projection Line and Insulation tool. Some of the added menu commands are Cut Curve with Line, Convert to Bézier, Divide, Duplicate, Rotate and Mirror by Line. The Insulation tool is a special interactive tool that allows users to draw the standard architectural symbol for insulation. Many of the tools were developed to produce aircraft engineering drawings and exploded isometric assembly illustrations.

In Volume 2, 13 baseline tools emulate the manual drafting machine, only easier, to allow users to work at odd angles. Another set of tools allows users to copy and paste with one click or copy the attributes of one object to another. Twelve specialized Isometric tools allow users to draw various objects in an isometric plane. There is also a Balloon Text tool. Some of the added menu commands are Blend and Join. The LaserPrint External is provided to aid in PostScript printing. This specialized tool provides a multitude of capabilities, such as printing just selected objects or print what is contained in the window, or print a D-size drawing on an 8.5-size sheet.
$79 each retail
Engineered Software; 615 Guilford-Jamestown Rd.; PO Box 18344; Greensboro, NC 27409; 910-299-4843

These Products Available Through Bottom Line Distribution
1-800-347-1923

Arch-T
Architecture
Macintosh II; 40 MB of hard disk space (16 MB of RAM recommended); AutoCAD R10 or R12 with AUI support; mouse or digitizer.

Arch-T focuses AutoCAD on architecture. With its vast symbol library of more than 2,100 plan and elevation blocks, the program frees users from routine, yet time-consuming, drawing chores. Furniture, fixtures, tag symbols, doors, windows and sitework are all comprehensively represented with a variety of high-quality symbols. Powerful routines help users create stairs and parking lots quickly. More than 75 hatch patterns and wall pouches add textures and details that normally demand hours of painstaking work. A flexible user-definable layering scheme and smallest/largest virtual zooms without drawing regeneration. Users can even generate parallel lines or "glue" two lines together.
$895 retail
Ketiv Technologies, Inc.; 6601 NE 78th Ct., A-8; Portland, OR 97218; 503-252-3230, 800-458-0690 or 503-252-3668 (fax)

Architectural Images Library
PowerDraw symbols, including plan and evaluation views of people, vehicles, office and residential furniture and landscape elements.
Macintosh Classic or larger; 2 MB of RAM; hard disk drive; System 6.0.7 or later; PowerDraw 5.0 or later; PowerCADD 1.0 or later.

The Architectural Images Library is a compilation of line art symbols for PowerDraw that allows users to add realism to their architectural CAD drawings. Users can customize the images by adding fill patterns and colors or simply use silhouettes. Images include: men, women and children, both at work and play, detailed and silhouettes; front, top and side views of cars and trucks; side and plan views of office and residential furniture; landscape elements in plan and elevation views, including rocks, tree and plant trunks, branches, foliage; and basic landscape symbols. All images have reference snap points and are ready to assemble.
$110 retail
Engineered Software; 615 Guilford-Jamestown Rd.; PO Box 18344; Greensboro, NC 27409; 910-299-4843

Ashlar Score!
Two-dimensional design and drafting
Macintosh SE/30, II or Quadra family; 4 MB of RAM; hard disk drive; math coprocessor.

Ashlar Score! is a two-dimensional design and drafting package for professional and non-professional package and container designers. It includes unique technology called the drafting assistant (patented). The drafting assistant automatically locates endpoints, midpoints, tangencies, center points, intersections and any other logical geometric constraint. This capability makes precision drafting as simple as free-hand sketching, yet accurate to 16 decimal places. Ashlar Score! also includes integrated parametrics to create "dimension driven drawings," letting users sketch without thinking about exact dimensions until they are ready to dimension and reshape the drawing. Ashlar Score! comes with features normally only available on more expensive CAD packages: associative detail view, associative dimensions, separate Y-Axis scaling, assembly instruction generation, automatic/manual bridging, linear and polar array duplication and more. DDES II, DXF, IGES, EPS, PICT and HPGL translators are built in. Built-in drivers for sample cutters, lasers, HP, HI and CalComp plotters are also provided.
$6,000 retail
Dimensional Impressions; 15928 Ventura Blvd., Ste. 23; Encino, CA 91436; 818-379-7039, 800-964-7529 or 818-379-7041 (fax)

Aura Mill 4.0 (Super CAM)
Three-axis milling package
Macintosh with 68030 or larger processor (68040 recommended); Math processor; 5 MB of RAM.

AuraMill is a simplified three-axis milling package without surfaces, but it is capable of cutting complex 3-D shapes from either a 2-D AuraCAD drawing or a DXF file, which may be 2-D or 3-D. Because it is able to make a 3-D part out of a simple blueprint-style 2-D drawing, it is fundamentally easier to use than other 3-D mill CAM software. It is exponentially more powerful than its predecessor, AuraMill version 3, and features a built-in true 3-D user interface that gives a tiltable, rotatable wire frame image of the design to be machined and full 3-D simulation of the cut. Islands inside the shape may be at any Z value above the main contour or at several levels, even outside the main perimeter. Extensive information on the process is available through pop-up information blocks and Balloon Help guides users through any process. An expanded table of materials is included for automatic computation of speeds and feed. Through Aura's Power Post, Super CAM will output accurate and edit-free code to any machine tool that uses G-code through the machine tool's RS-232 port.
$5,995 retail
Aura CAD/CAM, a Division of Aura Systems, Inc.; 2335 Alaska Ave.; El Segundo, CA 90245; 310-536-9207 or 310-643-8718 (fax)

AuraCAD V3.4
Two-dimensional mechanical CAD program
Macintosh SE or larger (Macintosh II recommended); 2 MB of RAM (4 MB recommended); hard disk drive; math coprocessor and large, color monitor recommended; System 6.0 or later.

AuraCAD is a powerful and easy-to-use two-dimensional mechanical CAD program. It is primarily intended for mechanical design work, exporting files to Aura's various CNC Machining Modules (CAM), but is also at home in electrical and architectural design. (There are additional symbols libraries available for each of these uses.) AuraCAD contains complete drawing tools for manipulation of points, lines, splines, arcs, fillets, circles and ellipses. It is capable of 16 digit floating point accuracy in X/Y, grid or polar coordinate systems and provides a variety of view and zoom functions. It supports multiple layering, symbols, dimensioning, text in drawing and offers complete macro capabilities for repetitive design work. Embedded printer and plotter drivers provide professional-quality output to most popular dot matrix and laser printers and plotters. It supports scanners and digitizing tablets for accurate input of templates and blueprints. AuraCAD ships with two versions: math coprocessor and non-math coprocessor and includes IGES and DXF conversion module. Both versions support black and white or color capability. AuraCAD is a part of the AuraCAS system for computer-aided set-up of CNC milling machines, which is available as a stand-alone fixture design system or a complete CAD/CAS/CAM system. All of Aura CAD/CAM's CAM modules for milling, turning and wire EDM applications include a fully operating copy of AuraCAD. The stand-alone AuraCAD package also includes two Video Assist training cassettes to tutor new users.
$399 retail
Aura CAD/CAM, a Division of Aura Systems, Inc.; 2335 Alaska Ave.; El Segundo, CA 90245; 310-536-9207 or 310-643-8718 (fax)

AuraCAS
Jig and fixture design package
Macintosh SE or larger (Macintosh II recommended); 2 MB of RAM (4 MB recommended); hard disk drive; math coprocessor and large, color monitor recommended; System 6.0 or later.

AuraCAS is a stand-alone jig and fixture design package for computer-aided setup of CNC milling machines. The patent pending AuraCAS system changes the age-old method of machine setup from a time-consuming process of designing, mounting, alignment and referencing of fixtures into a quick, accurate and organized system of fixture design that reduces milling machine setup time an average of 75 percent. AuraCAS is also sold bundled with AuraMill as the AuraCAS Station, providing complete 2 1/2 axis CAD/CAS/CAM capability. AuraCAS combines an extensive library of tooling components, Power Fixtures, with AuraCAD for professional design capabilities and AuraIGES/DXF to provide complete import/export capabilities. Part designs may be created from scratch in AuraCAD or imported from such programs as AutoCAD to be completed for machine tool setup. Fixture and part designs produced with AuraCAS may be exported to almost any CAM software, including The Gibbs System, and DOS-based packages, such as SmartCAM and MasterCAM. The package also contains software manuals and two Video Assist training cassettes to tutor users in all aspects of computer-aided setup.
$498 retail
Aura CAD/CAM, a Division of Aura Systems, Inc.; 2335 Alaska Ave.; El Segundo, CA 90245; 310-536-9207 or 310-643-8718 (fax)

AuraMill 3.2
2 1/2 axis milling package
Macintosh SE or larger (Macintosh II recommended); 2 MB of RAM (4 MB recommended); hard disk drive; math coprocessor and large, color monitor recommended; System 6.0 or later.

AuraMill is a complete 2 1/2 axis milling package that offers powerful CNC programming tools for almost any milling job. AuraMill is offered as part of the AuraCAS Station, a complete, professional and fully-integrated CAD/CAS/CAM system that is fast, powerful and easy to use. AuraMill's programming capabilities include a standard FANUC output for contour milling, pocket milling, drilling, boring and tapping processes. AuraMill also features pull-down menus, easy selection of geometry by mouse, a built-in NC file editor, automatic computation of speeds and feeds, user-definable libraries for end mills, fly cutters, drills, taps and more. AuraMill can set up to 10 different communications parameters and send and receive files from the machine control. Post processors for standard controls are included. Four Video Assist training cassettes tutor new users in all aspects of CAD, CAS and CAM. Power Post, a new post processing system, ensures edit-free NC files. Power Post also offers the ability to create and customize post processors for almost any control that uses C-language.
$1,995 retail
Aura CAD/CAM, a Division of Aura Systems, Inc.; 2335 Alaska Ave.; El Segundo, CA 90245; 310-536-9207 or 310-643-8718 (fax)

AuraWire 3.5
2 and 4 axis wire EDM package
Macintosh SE or larger (Macintosh II recommended); 2 MB of RAM (4 MB recommended); hard disk drive; math coprocessor and large, color monitor recommended; System 6.0 or later.

AuraWire is a complete 2 and 4 axis wire EDM package that offers powerful CNC programming tools for almost any wire EDM machine tool. AuraWire is offered as a part of a complete, professional and fully-integrated CAD/CAS/CAM system. It comes complete with AuraCAD 3.4, AuraIGES/DXF and AuraCAS. AuraWire's programming capabilities include a standard FANUC output for regular 2 axis cutting, taper cutting, 4 axis cutting and coreless processes. AuraWire also features pull-down menus, easy selection of geometry by mouse, a built-in NC file editor, automatic computation of speeds and feeds, user-definable synch points for 4-axis work and more. AuraWire can set up to 10 different communications parameters and send and receive files from the machine control. Power Post processors for most standard controls are included. Four Video Assist training cassettes tutor new users on CAD, CAS and CAM.
$2,995 retail
$1,995 retail; 2 axis only version
Aura CAD/CAM, a Division of Aura Systems, Inc.; 2335 Alaska Ave.; El Segundo, CA 90245; 310-536-9207 or 310-643-8718 (fax)

AutoCAD Release 12
Universal design and drafting program with three-dimensional modeling and surfacing
Macintosh II; 4 MB of RAM.

AutoCAD is a universal design and drafting program for desktop computers and workstations. Its open architecture, embedded high-level programming language and provision for writing customized drivers for input/output devices make it uniquely flexible and versatile as a graphics standard for nearly every discipline. AutoCAD equips design professionals with a host of features, including full three-dimensional design capability. Other features include: a user-defined coordinate system that allows users to specify a construction plane in three-dimensional space; Coordinate System Icon that provides visual confirmation of the current working construction plane; Plan Command that allows the specification of the current UCS (User Coordinate System) as a plan view; a dynamic viewpoint option that allows users to rotate objects in three-dimensional space on screen (interactively and in real time); allows interactive zooming on

selected objects in real time; allows interactive panning of selected objects in real time; allows users to cut sections through three-dimensional models instructively; perspective projections can be generated at any time; users can perform hidden line removal on a selection set; and a viewpoint capability that allows up to four different views of a drawing on screen at one time.
$3,750 retail
Autodesk, Inc.; 2320 Marinship Way; Sausalito, CA 94965; 415-332-2344 or 415-331-8093 (fax)

B^2 Logic 2.2, B^2 Spice 1.1 And B^2 Logic 3.0
Circuit design and simulation tools
Macintosh Plus or larger; 1 MB of RAM and System 4.2 or later for Logic 2.2; 2 MB of RAM and System 6.0 or later for Spice or Logic 3.0 (2.5 MB of RAM for System 7.0 or later).

B^2 Logic and B^2 Spice are affordable, user-friendly circuit design and simulation tools. B^2 Logic provides more than 100 components for digital circuit designs. A user views simulation results by probing signals in the schematic and in a timing diagram. B^2 Spice provides most Spice components and supports Transient, AC and DC analyses. Simulation results may be graphed or tabulated. B^2 Logic 3.0 boasts EDIF File Format Output, more than 50 new devices, enhanced PLD Simulation capabilities and much more.
$149 each retail; B^2 Logic 2.2, B^2 Spice 1.1
$219 retail; B^2 Logic 3.0
Beige Bag Software; 2000 Hogback Rd., Ste. 2; Ann Arbor, MI 48105; 313-971-4227 or 313-971-3632 (fax)

Blueprint 5
Two-dimensional CAD package
Macintosh Plus or larger; 2 MB of RAM.

Blueprint is a full-featured, two-dimensional drafting system. It allows users to snap to precise points. Features include dotted and dashed sectioning lines, tolerancing, chamfering, "smart" walls with trim and auto-join, cavity walls and a "cut" tool for easily putting windows and doors into walls. Other enhancements include the polyline tool that combines beziers, lines and even arcs into one closed surface, automatically fitting a curve through a series of points, and balloon help. Standard features include a built-in DXF translator, advanced auto-dimensioning, including ordinate, baseline, radial and diametrical dimensioning, a full kit of graphical drawing tools, double lines, editable fill patterns, multiple keyboard, palette and menu options for drafting, array duplication and multiple layers. Other features include classes, symbol creation and hierarchical symbol storage, color, fillets, splines, mirroring, text and object rotation by degree, minute and second and EPS. The program comes with a detailed tutorial. Blueprint ships with a Power Macintosh and a 68-K Macintosh version in each box.
$295 retail
Graphsoft, Inc.; 10270 Old Columbia Rd., Ste. 100; Columbia, MD 21046; 410-290-5114 or 410-290-8050 (fax)

CADMover 4.0
Vector graphics translator
Macintosh Plus or larger.

CADMover enables users to get their 2-D and 3-D graphics where they need to be: across departments, computer platforms or programs. Users can synergy via 3DGF, Adobe Illustrator, Architron II, CGM, ClarisCAD, DDES2/IT8.6, Dimensions, Dreams, DXF (both text and binary), ENVISAGE 3D, Gerber Plotter, HPGL, Focus, Zoom, IGES, MacDraft, MacDraw II, MiniCAD+ Text, PICT, Presenter Professional, Sculpt 3D, STL (stereolithography), Super 3D Text and Wavefront (.OBJ). CADMover's precision transformation logic maintans a high degree of accuracy for all calculations. Translation options include multiple layers and levels, multiple drawings within a file, scaling between most formats, unlimited file size with use of hard disk and full color. CADMover 4.0 has pan and zoom for accuracy checks, new editing dialogs and six new EPSF readers.
$495 retail
Kandu Software Corp.; 131 Great Falls St.; Falls Church, VA 22046; 703-532-0213 or 703-533-0291 (fax)

CSS Customizable Screen Symbol Library
More than 600 AutoCAD symbols
Macintosh II family.

CSS Customizable Screen Symbol Library comes complete with more than 1,000 symbols. It provides increased productivity by allowing customization of screen menus to suit a user's needs. Customizable also means that individual symbols are modified, functions are changeable and new symbols are created based on previously-created patterns. Ease of use is facilitated by employing sub-menus under a main topic heading. The Digitizer Overlay features an 11 by 11-inch active working surface, the 1,000 plus symbols from the Screen Symbol Library, dynamic insertion of many standard shapes and user-program shapes, easy overlay and screen selection of Setvar variables, including 3-D, full ASCII text set and 3-D drafting and polyline features.
$195 retail
$295 retail; with digitizing overlay for AutoCAD Release 11
$345 retail; with digitizing overlay for AutoCAD Release 12
Corporate Software Solutions, Inc.; 3700 Vanguard Dr.; Ft. Wayne, IN 46809; 219-478-8088 or 219-747-5894 (fax)

DesignCAD 2D/3D
Two- and three-dimensional geometric design and drafting
Macintosh Plus or larger; 2 MB of RAM; 800K disk drive; hard disk drive and math coprocessor recommended; System 6.0.5 or later.

DesignCAD is a computer-aided design and drafting package that provides complete two- and three-dimensional design power for engineering and architecture. It provides the speed and accuracy necessary to manipulate complex two- and three-dimensional designs in real time, and provides "Point Orientation," which allows greater design freedom and control over a user's designs. Features include: full automatic and associative dimensioning; 256 design layers tied to associative geometric editing; complete symbol libraries include 500 pre-drawn Architectural, Cabinet, Electronics, Electrical and piping with automatic scaling export features; floating-point precision with math coprocessor support; mirror; element grouping; support for rectangular and polar coordinate systems; unlimited zoom; multiple extrusions; bi-cubic surface geometry; fillets and chamfers; color text options; unlimited scaling options; geometric primitive options; related and/or auto update viewing with up to five independent view options; user-controlled precision levels; and more. DesignCAD can communicate with all Macintosh-compatible plotter drivers and includes a two-way PICT and PICT2 file translator, and the capability to import and export IGES, DXF, HP-GL, XY or XYZ coordinates. It is MacRenderMan and Showplace compatible.
$299 retail
DesignCAD, Inc.; One American Way; Pryor, OK 74361; 918-825-4848 or 918-825-6359 (fax)

Desktop Architect 2.0+ (MiniCad Version)
Symbols library and detailing system
Macintosh Plus or larger; hard disk drive; MiniCad+ 3.1.

Desktop Architect 2.0+ for MiniCad+ features the same comprehensive Parts Kits offered in Desktop Architect 2.0, as well as additional symbols for architectural, plumbing, HVAC and electrical design. The program uses the sophisticated symbols library to its fullest. This package, designed and developed by an architecture/real estate development firm, is designed specifically for architects involved in a wide range of building types.
$299 retail
Desktop Architect; 27 E. Russell St., Ste. 101; Columbus, OH 43215; 614-469-9906

Desktop Packaging Plus
Structural design program for packaging
Macintosh with FPU; 4 MB of RAM.

Desktop Packaging Plus (DPP) is a fully functional, double-floating point precision two-dimensional CAD program that brings a user's packaging concepts from idea to comp to mechanical to final tooling. Tear-off menus and built-in interactive help provide quick start up. The program outputs to plotters, automated sample makers, phototypesetters, laser diemakers or PostScript printers. DPP has a built-in library of pre-drawn styles of packaging and packaging components, all of which are easily modified to meet a user's custom requirements. DPP supports bi-directional translation capability with the following file formats: DXP, EPS, IGES, PICT, PICT2, DDES2 (international file format for the packaging and laser die-making industry), Adobe Illustrator and Aldus FreeHand. It can also export package designs to Swivel 3D and Super 3D to see renderings of a design.
$5,995
Montgomery Products Ltd.; 40 S. 2nd Ave.; PO Box 784; Phoenixville, PA 19460; 215-933-2525, 800-626-7772 or 215-933-8906 (fax)

DW-2000
Integrated circuit, hybrid and printed circuit design
Macintosh II family; SunSparc Station; HP 9000 (Series 700); Windows NT; 4 MB of RAM; hard disk drive.

DW-2000 is a highly ergonomic design tool for the realization of custom VLSI circuits and hybrids in a wide range of technologies. Its features include those of mainframe systems, as well as interactive, two-point arc digitizing modes; add/sub poly commands; and fence cut/copy/delete commands. The online Design Rule Check (DRC) command allows interactive and incremental verification of structures according to user-defined technologies. The program offers full GDSII stream compatibility, MEBES input/output, JEOL-01 and JEOL-51 output, Gerber input/output and Cambridge EBMF output. Graphics Programming Environment (GPE) is included.
$12,500 U.S. retail; quantity discounts available
Design Workshop; 4226 St. John's Blvd., Ste. 400; Dollard Des Ormeaux, Quebec, Canada H9G 1X5; 514-696-4753

DynaPerspective 2.33
Three-dimensional modeling and design presentation
Any color-capable Macintosh with FPU; 2 to 8 MB of RAM; hard disk drive; high-resolution color or gray-scale monitor; 8-bit video card.

DynaPerspective is a three-dimensional modeling and design presentation program that can stand alone or enhance other CAD systems with its three-dimensional innovations and unique features. Highly flexible geometric primitives allow rapid creation of designs, assigning such attributes as color, transparency, line type, border display, etc., which can be edited at any stage of the construction. A user can instantly change the color and perspective of the rendered object(s) without recalculation. Library parts, included with the program, can be used and further edited and customized. Users can create their own parts library as well. Automatic or step-by-step walk-through presentations are easily created. DXF, RIB, PICT, PICS and QuickTime formats are supported. A 40-minute demonstration/training video is included.
$995 retail
Dynaware USA, Inc.; 950 Tower Ln., Ste. 1150; Foster City, CA 94404; 415-349-5700 or 415-349-5879 (fax)

EASIMAP V4.6
Three-dimensional symbol library of manufacturers' computing equipment
Macintosh II; 4 MB of RAM.

EASIMAP (Equipment And Systems Installation Management And Planning) is a multilayered (service area, door swing, cable holes, etc.), multicolored, three-dimensional symbol library of manufacturers' computing equipment. Available are: Amdahl, Bull/Honeywell, CDC, Dataswitch, DEC, HP, IBM, Memorex, Misc, NAS, Prime, STK, Unisys, Wang and Xerox. Others are available upon request. The EASIMAP libraries contain thousands of manufacturers' equipment symbols and environmental information. Using the pull-down menu selection system, it replaces the old plastic template method of designing a

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computer facility. The EASIMAP database provides a user with various customized reports on each piece of equipment: weights, BTUs to air and water, KVA 60 Hz and 400 Hz, plug, connector and receptacle type, sorted serial number, unit address, PDU and CB locations, leasing and maintenance information.
$2,500 retail
21st Century Innovations, Inc.; 92 Argonaut, Ste. 270; Aliso Viejo, CA 92656; 714-768-8060, 800-327-4627 or 714-768-1646 (fax)

Envision
Computer-aided design rendering
Macintosh II, Centris or Quadra family.

Envision provides computer-aided design rendering for industrial design, automotive, aerospace and engineering applications, as well as interior design. It applies three-dimensional surface details to existing two-dimensional images and can import files from other CAD, image processing or paint programs through various file formats or import scanned images. With knowledge-based modeling technology specializing in soft surface modeling, Envision models and renders any image and applies surface details, textures or finishes on any background image with contours, perspectives, highlights and shading of a photographic image. It replaces having to build complex and tedious wireframe models. Envision provides lighting subsystems, highly advanced texture mapping and high-resolution real-time rendering.
$1,995 retail
ModaCAD, Inc.; 1954 Cotner Ave.; Los Angeles, CA 90025; 310-312-6632 or 310-444-9577 (fax)

EPSI
PostScript interpreter software
Macintosh Plus or larger.

EPSI is a software driver that takes Encapsulated PostScript, HPGL or DXF files and converts them for processing via various pen plotters or vinyl cutters. Images can be resized, repositioned or sent as multiple copies. If the desired image size is larger than the output device, EPSI automatically segments the image into panels. Output can be made by individual panel section. EPSI is compatible with equipment manufactured by Aristo, Roland, IOLINE, Zeta, Vytek, Gerber, Hewlett-Packard, Zuend, Leica and others.
$395 retail
MESAC, Inc.; 655 Crawford Cir.; Longmont, CO 80501; 303-753-0405 or 303-753-0406 (fax)

Explode! 2.0
Illustration package for technical illustration users
Macintosh Plus or larger; System 7.0 or later.

Explode is a software illustration package for technical illustration users. The program has been specifically tailored for the production of isometric and exploded view illustrations used in the Technical Publications industry. It includes many unique and powerful features unavailable in any other illustration or CAD package, including: locking isometric tools, specialized isometric design tools, Advanced Parametric Parts & Objects, Global Line Control and Airo Design & Manufacturing's unique Numbered Callouts tool.
$495 retail
Airo Design & Manufacturing; PO Box 427; Port Washington, WI 53074; 414-284-7169

EZ-EPS
CNC engraving software
Macintosh Plus or larger.

EZ-EPS converts lettering, logos and art work saved as PostScript (EPS) files into geometry consisting of lines and arcs. EZ-EPS can also be used as a stand-alone program to create geometry for letters in TrueType fonts installed in Macintosh System 7.0. Features provided include wrapping text to arc, rotation, scaling or stretching of text and text justification. Geometry created as explained above can be saved as DXF for CAD/CAM systems or HPGL for directly sending to Sign/Film cutting equipment, such as Cutting Pro for Graphtec, Roland, etc. EZ-EPS is a seamless connection between a CAD/CAM system and art programs, such as Adobe Illustrator, Aldus FreeHand, Canvas, LetraStudio, Arts & Letters Graphics Editor, etc. This unique system will convert EPS files into continuous lines and arcs within the tolerances users specify.
$1,000 retail
PCAM Solutions, Inc.; 235 E. 83rd St., #7-H; New York, NY 10028; 212-249-5832 (phone/fax)

The Gibbs System
Computer-aided design and manufacturing
Macintosh Plus or larger; hard disk drive.

The Gibbs System is a comprehensive CAD/CAM package that includes all the programs necessary to take a user from the initial design through the actual generation and downloading of a numerical control program for controlling NC/CNC machines. The Gibbs System incorporates a fully interactive, graphic three-dimensional CAD system that defines part shape and geometry with a full three-axis, graphic CAM system that defines tooling operations. Contour cutting, pocketing, pocketing with bosses, drilling and autocycles are included. Post processors are available for a variety of machine/control combinations. CNC devices supported include milling, turning, four-axis wire EDM, plasma and laser. Because of the versatile Macintosh platform, the system easily integrates with many other types of computer environments, including DOS, Unix, VMS and mainframe computers. The Gibbs System has three-axis capabilities, including the definition and machining of complex surfaces. It also includes the importation and machining of complex sculpted surfaces.
$7,000 approximate retail; The Gibbs System (includes ncCAD, ncCAM, ncPost, ncCommunication)
$4,500 retail; ncSurfaces
$1,000 retail; ncModel
$3,700 retail; ncEDM
$1,250 retail; ncExchange3D
$450 retail; ncExchange
Gibbs & Associates; 5400 Tech Cir.; Moorpark, CA 93021; 805-523-0004, 800-654-9399 or 805-523-0006 (fax)

GWN-DTM (Mac)
Civil engineering application
Macintosh II family; 4 MB of RAM (8 MB recommended).

GWN-DTM is a series of integrated software modules that provide powerful interactive mapping and design capabilities for the engineering, surveying and mapping disciplines. Its open architecture allows users to manipulate input and output data in ASCII. The base module provides the facilities to manipulate a theoretically unlimited number of spatial data points and generate and edit complex triangulated terrain models for contour generation, profile and cross sectioning. Additional features include: template design (road design); surface-to-surface/cross-section volume calculation; slope area and drainage area analysis; pad projection to surface/elevation; automated profiling and cross-sectioning with fully user-definable parameters; manipulation/creation of design profiles; cross-sections and profiles display in 2D or 3D; interactive horizontal and vertical curve design; and volumetrics using grid or contour data. All existing features in MicroStation 4.0, including graphic display and plotting output are provided.
$3,500 U.S. retail
GWN Systems, Inc.; 11133 124th St., #200; Edmonton, Alberta, Canada T5M 0J2; 403-452-0090 or 403-453-5207 (fax)

HyperSpace
Three-dimensional modeling
Macintosh Classic or larger; 3D digitizer.

HyperSpace is a fast and easy-to-use stylus-based digitizing hardware/software package for creating computer models of complex three-dimensional objects. HyperSpace is useful in a wide variety of applications, such as 3D rendering, animations, CAD/CAM, architecture, research, engineering and graphic design. The software contains built-in translators for exporting HyperSpace 3D files into DXF, Wavefront, Symbolics, Super 3D, Swivel 3D, Vertigo and HyperSpace-ASCII formats. Additional translators are also available.
$8,850 retail; Model 150
$12,850 retail; Model 250
Mira Imaging, Inc.; 2257 South 1100 East, Ste. 1A; Salt Lake City, UT 84106; 801-466-4641, 800-950-6472 or 801-466-4699 (fax)

KAST
Ketiv/AutoCAD standard template
Macintosh II; 1 MB of hard disk space; AutoCAD R10 with AUI support; mouse or digitizer.

KAST, the Ketiv/AutoCAD Standard Template, brings together hundreds of useful and time-saving routines in one user-friendly productivity package. It has two flexible text editors, creates parallel lines with automatic cleanup, lets users define their own layering scheme, allows virtual zooms without time-wasting drawing regeneration, cleans up X, T and Y parallel line intersections automatically and lets users move or copy entities from one layer to another. Included in the package, among hundreds of other utilities, is an interactive RPN calculator so users can pick radii and the lengths of arcs, circles and lines, and see it realized on screen.
$150 retail
Ketiv Technologies, Inc.; 6601 NE 78th Ct., A-8; Portland, OR 97218; 503-252-3230, 800-458-0690 or 503-252-3668 (fax)

LandCADD Complete
Computer-aided drafting and design tool for land planning and design professionals, providing comprehensive land planning, civil and GIS solutions for the environment
Macintosh SE/30, LC III, II, Quadra or Centris 650; math coprocessor; monitor that supports 640 by 480 pixel resolution; AutoCAD Release 12; System 7.1 or later.

LandCADD Release 12 for the Macintosh includes all key LandCADD Release 12 features, allowing designers to customize their databases and implement new graphic options in their designs. Release 12 is seamlessly integrated with AutoCAD Release 12 for the Macintosh. Complete estimating capabilities are included within every module of Release 12 for the Macintosh, allowing users to stay within budget guidelines by using the SQL links to access cost data directly from AutoCAD. This Macintosh release also provides true links to any plant database with a format supported by AutoCAD SQL extensions, including dBase3, Oracle and FileMaker. The Plant Specifier module allows users to access any plant database, including the one that is provided by LandCADD with more than 1,000 plants. Within the Macintosh Site Planning and Landscape Design module, users can label plants without leader lines, label groups of plants or specify mixes within the planting area, even without locating each plant. A tree harvesting routine complements one of Release 12's most popular features, the "grove" command, which allows a grove of trees to be created with one command. As one of the only digital terrain modeling (DTM) packages for the Macintosh, LandCADD's Quadrangle module allows users to edit the TIN and recalculate the contours and/or the grid. A digital terrain model can be generated directly from points, polylines and 10 different formats of point files, and multiple point viewsheds with times seen maps providing improved environmental studies. The cross-sectioning tools allow for vertical and horizontal labeling of sections, specification of slopes adjacent to pads and roads, TIN editing capabilities and numerous grid creation options.
Call for pricing
LandCADD International; 7388 S. Revere Pkwy., Bldg. 900; Englewood, CO 80112; 303-799-3600, 800-876-5263 or 303-799-3696 (fax)

MacConcept 3.7
Three-dimensional visualization and conceptual design program
Any Macintosh; 4 MB of RAM; math coprocessor recommended.

MacConcept provides multidimensional spatial design features, including real-time dynamic rotation and perspective; multiple design levels; numerical line selection; animation; floating point accuracy; and direct data output to Claris CAD (2D design), PICT, DXF, PostScript (EPSF), Adobe Illustrator, Aldus FreeHand or text files. Bidirectional translation of IGES, DXF, 3DGF and other file formats via CADMover with dedicated translators available for FORD and GM data formats.
$1,495 retail; basic program (volume and special discounts and site licenses are available)
$39 retail; fully functional shareware version (requires any Macintosh and 1 MB of RAM)

$495 to $995 each retail; translators
Klex Software, Inc.; 25633 Branchaster; Farmington Hills, MI 48336; 810-473-0347

MacDraft 4.0
Computer-aided design
Macintosh Plus or larger; 1.5 MB of RAM (2 MB recommended); hard disk drive; System 6.0.5 or later.

MacDraft provides a full-scaled, multilayered drafting environment with a complete set of easy-to-use drawing tools, including linear, radial and angular dimensions, with tolerances and Standards. There are special tools to extend and trim lines, create perpendicular, tangent and parallel lines, fillets, chamfers, concentric circles and arcs. Objects can be merged together or subtracted from each other, mirrored and automatically duplicated in a linear or circular array. For increased precision, MacDraft provides keyboard editing and placement of objects. MacDraft's integrated database lets users assign information to objects, perform Find/Replace operations and create custom reports that will update when the drawing is changed. MacDraft automatically creates reports in Microsoft Excel that can be linked to a user's MacDraft drawing.
$449 retail
Innovative Data Design, Inc.; 1820 Arnold Industrial Way, Ste. L; Concord, CA 94520; 510-680-6818 or 510-680-1165 (fax)

Machinery Designer's Library 1 And 2
Symbols libraries
Macintosh Classic or larger; 2 MB of RAM; hard disk drive; System 6.0.7 or later; PowerDraw 4.0 or later; PowerCADD 1.0 or later.

Machinery Designer's Library 1 and 2 are professionally-designed symbols libraries for PowerDraw. Library 1 contains more than 1,500 ANSI screws and fasteners. This is a comprehensive library containing bolts (hex head), cap and set screws (button/flat head hex/TORX, socket head/TORX, hex socket shoulder, hex socket set), machine screws, nuts, washers and combinations, screw ends and threaded holes. Each symbol is available in many views and sizes.

Library 2 contains more than 1,200 bearing symbols. Nominal dimensions are given in commercial or ANSI standards. This is a comprehensive library containing precision miniature bearings, dowel pins, drill bushings, o-ring/grooves, retaining rings and taper pin holes/taper pin heads. Each symbol is available in many views and sizes.
$79 each retail
Engineered Software; 615 Guilford-Jamestown Rd.; PO Box 18344; Greensboro, NC 27409; 910-299-4843

MacMechanic Vol. 1
CAD library of mechanical machinery components
Macintosh II; 5 MB of RAM; hard disk drive; MiniCad+, Blueprint, Claris CAD, MacDraw II or MacDraw Pro (specify).

MacMechanic is an advanced CAD library of mechanical machinery components designed to assist mechanical engineers, machine designers, graphic artists and illustrators wanting easy access to hard-to-draw, but common mechanical components. Major features include composite drawings of diametral pitch spur gears from 10 to 90 teeth. By resizing the drawings, virtually any other diametral pitch size can be easily and accurately constructed. Additional gear sets can be made by duplicating a Primitive element consisting of one tooth profile. The unique Primitive concept is extended to include timing gears and belts and roller chains and sprockets. Another feature is a large collection of fully-indexed library elements, including accurately drawn two-dimensional views of ball bearings, retaining rings, machine screw threads and heads, shoulder screws, etc. MacMechanic contains more than 600 element views. All components are individually drawn in two views. Individual pieces of components can be accessed to determine size information.
$128 retail; includes 51-page User's Guide and 30-day guarantee
Bare Hill Software Co.; 97 Eastern Blvd., #254; Canandaigua, NY 14424; 716-554-5440 or 716-554-4223 (fax)

MacSpeakerz 3.0
Loudspeaker design software
Macintosh Plus or larger; 1 MB of RAM.

MacSpeakerz makes it easier than ever to design high performance loudspeakers for any application. MacSpeakerz can analyze six different box types, as well as Isobarik variations on each of these. Specifically, MacSpeakerz can now analyze 3rd Order Closed and 4th, 5th and 6th Order Bandpass Box types in addition to the 2nd Order Closed and 4th Order Vented Speakers covered by earlier versions of the program. The new version has been enhanced to suggest enclosure volumes and tunings for each box type. For existing closed box systems, MacSpeakerz can show users how they can extend the bass response by simply adding the correct value series capacitor to convert the system to a 3rd Order closed box. A Bandpass Box Calculator has been added in addition to the Rectangular and Trapezoidal Box Calculators. The box calculators have been modified to add locks to each of the box dimension fields, allowing users to lock in some dimensions while allowing others to float. The accompanying user's manual has been revised for v3.0 and includes a step-by-step Tutorial for those new to speaker design. The manual also includes chapters on Crossover Design, Driver Parameter Measurement and more.
$349 retail
$299 direct
True Image Audio; 349 W. Felicita Ave., Ste. 122; Escondido, CA 92025; 800-621-4411 or 619-480-8961 (fax)

MacSurf
Three-dimensional surface modeler
Macintosh Plus or larger, including PowerPC; plotter.

MacSurf is a three-dimensional surface modeling system for use in the fields of industrial, aircraft, automotive or marine design. Fifty surfaces allow a designer to create a wide range of shapes with great accuracy. With the built-in hydrostatic calculations, new designs may be analyzed. MacHydro is a free to heel and trim hydrostatics and damaged stability program, including strength calculations, designed specifically for MacSurf. Design files are analyzed directly, alleviating the need for time-consuming digitizing of drawings, or hand typing of offsets. FullPlot is a plotter utility that directs precise output of MacSurf designs to Apple printers and to a range of industry standard plotters, allowing full-size lofting of MacSurf designs. MacRate is an IOR and Twelve-Meter rating calculation program that allows a user to generate a rating certificate that may be viewed and then edited on screen. Prefit provides an alternative means of input by way of keyboard entry of existing offset data. The data is typed in from an offset table and formatted on screen. HydroLink is an offset file link to third party software, including a variety of hydrostatics CFD and FEM programs. MultiMesh is a surface paneller for preparation of input to FEM or CFD codes. Digit provides for digitized input to MacSurf. MacACC calculates IACC ratings. SPAN is a sailing performance prediction program with an integrated LPP.
$3,995 U.S. retail; MacSurf Professional (50 surfaces)
$1,995 U.S. retail; MacSurf Plus (four surfaces)
$695 U.S. retail; MacSurf/S (one surface)
$3,995 U.S. retail; MacHydro Professional (includes CGcalc)
$1,495 U.S. retail; MacHydro/S (includes CGcalc)
$495 U.S. retail; FullPlot
$495 U.S. retail; MacRate
$495 U.S. retail; Prefit (includes Splinefit)
$495 U.S. retail; HydroLink
$4,500 U.S. retail; MultiMesh
$495 U.S. retail; Digit
$495 U.S. retail; MacACC
$1,495 U.S. retail; SPAN
Chance & Co., Inc.; 37 Pratt St.; Essex, CT 06246; 203-767-2161 or 203-767-2162 (fax)

MicroStation Mac 5.0
Interactive CAD software
Macintosh 68020, 68030 or 68040 processor with FPU; Power Macintosh under Emulation; 16 MB of RAM recommended; System 7.0 or later.

MicroStation Mac is two- and three-dimensional CAD software that offers a complete stand-alone or networked interactive CAD system for the generation, manipulation and output of graphics data. It offers all the advantages of an open system by supporting industry standards for networking, relational databases and file formats. It provides the same functionality as MicroStation on other platforms, including the easy-to-use graphical interface. More than 500 viewing, drawing and manipulation functions are supported, including powerful surfacing commands (NURBs), built-in photorealistic rendering, online documentation, associative dimensioning, dimension-driven elements and much more.
$3,790 retail
Intergraph Corp.; Huntsville, AL 35894-0001; 800-345-4856 or 205-730-9491 (fax)

MicroStation Review Mac 5.0
Project review power from the desktop
Macintosh 68020, 68030 or 68040 processor with FPU; Power Macintosh under Emulation; 16 MB of RAM recommended; System 7.0 or later.

MicroStation Review gives managers, drawing checkers and others access to CAD drawings at a lower cost than a MicroStation license. MicroStation Review has a simple user interface, making it easy to learn and use. MicroStation Review users can: view two- and three-dimensional design files and attached reference files, including Raster data; view DWG, DXF, IGES, CGM and VersaCAD files; redline designs, including adding notes, symbol placement and specifying areas for change; review non-graphic database attributes; run MDL applications; photorealistic rendering (all of MicroStation's viewing functionality is supported); and plot to all MicroStation-supported devices, from dot matrix printers to electrostatic plotters.
$795 retail
Intergraph Corp.; Huntsville, AL 35894-0001; 800-345-4856 or 205-730-9491 (fax)

MiniCad 5
Two- and three-dimensional CAD program with intelligent interface, relational database, programming language and DXF translator; includes three free modules: architectural, mechanical and advanced design
Macintosh Plus or larger; 2 MB of RAM.

MiniCad is a high-end, professional-level computer-aided design and analysis program that includes two- and three-dimensions in the same window. A database/spreadsheet, also included in the same window, allows a user to track and automatically calculate the cost of supplies and scheduling, perform flow analysis, analyze power needs and more. A programming language allows users to write their own routines and to create a custom program to suit individual preferences. Two-dimensional features include tolerancing, "smart" walls, cavity walls, a "cut" tool to automatically insert doors and windows into walls, dotted and dashed sectioning lines and chamfering. Three-dimensional features include three-dimensional walk-through and flyover tools, the ability to display objects in multiple views simultaneously, cavalier and cabinet projections and automatic section generation. In addition to a high-accuracy coordinate system, balloon help, auto-dimensioning, auto-join, trim, filleting, layering, completely accurate zoom, multiple line types and arrowheads, and rotation by degrees, minutes and seconds, the MiniCad 2D includes complex duplication with arrays, cubic and Bezier splines, new symbol editing capabilities, the ability to move objects by precise intervals and object-by-object color. MiniCad offers a unified drawing database. In the same document, users can print or plot a drawing of a city block at 1-inch = 50-feet, a floor plan of a city within that city block at 1/8-inch = 1-foot, a tenant floor plan within that building at 1/4-inch = 1-foot and a plan detail of a piece of cabinetry at 1/2-inch = 1-foot. A DXF translator and Claris CAD to MiniCad translator are included. Customizable menus and palettes and Renderman support is included. A Developer's Kit is available.
$795 retail; call for upgrade prices
Graphsoft, Inc.; 10270 Old Columbia Rd., Ste. 100; Columbia, MD 21046; 410-290-5114 or 410-290-8050 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

Ovation CAD/CAM 7.0
Two-dimensional CAD package for package design; allows for designing by parametric design or free-form line by line; imports and exports EPSF, DXF and DDES2 design files
Macintosh Plus or larger; 8 MB of RAM.
Ovation CAD/CAM is an interactive, two-dimensional CAD package originally designed for the converting (packaging) industry. The system includes automatic container designing, advanced geometry features, line styles, rotation, duplication, automatic arc blending and tangent circle generation. Ovation can output to a variety of printing, plotting, routing and laser cutting machines. The system will support a number of plotters ranging from standard (Hewlett-Packard) to high-resolution (+/- 0.0004-inches) large plotters (up to 66 by 100 inches). Its software can also be interfaced to a full range of NC/CNC controllers. Ovation fully supports outputting its design to graphic programs, such as PageMaker, Adobe Illustrator and Ready,Set,Go!. Ovation also imports Adobe Illustrator and Aldus FreeHand EPS files that can then be output to the plotter/sample cutters for paper or vinyl cutting.
$12,500 retail; software only (single workstation)
$7,000 to $100,000 retail; high-speed plotter/sample cutters
$300,000 retail; industrial laser systems
Innovative Design Systems Corp.; PO Box 5174; Akron, OH 44334; 216-722-3185 or 216-722-3287 (fax)

Ovation Convert 7.0
CAD/CAM utility
Macintosh Plus or larger; 8 MB of RAM.
Ovation Convert is a software package designed to import and export a variety of different file formats from different CAD/CAM software systems. It then converts those design files into different graphic file formats, such as PICT and EPSF for output to Macintosh-based graphic designing programs. The program can also import DXF, DDES2 and EPSF files and convert them into CAD design files that can be plotted and/or cut on a variety of different plotters and plotter/sample cutter machines.
$595 retail
Innovative Design Systems Corp.; PO Box 5174; Akron, OH 44334; 216-722-3185 or 216-722-3287 (fax)

Parametric Complex Curve Generator
Generates two- and three-dimensional curve data
Macintosh 512KE or larger; System 6.0.2 or later.
Parametric Complex Curve Generator is a geometry utility that automates the design of complex curves (epicycloid, hypocycloid, nephroid, cardioid, astroid, deltoid, spirals, Lizajous) by offering the following features: user-friendly operation, no previous geometry experience necessary, user-designed formats of saved data points, graphic display of curve data, variable display scale and curve parameters saved to the Clipboard. X/Y coordinates are generated using parametric techniques producing the smoothest possible curve, maximum area under the curve and data independent of axis restraints. It interfaces to all CAD programs.
$69 retail
Critical Path Design Sciences; PO Box 43; Oceanside, CA 92049; 619-439-4564

Parametric Conic Section Generator
Generates conic section data
Macintosh 512KE or larger; System 6.0.2 or later.
Parametric Conic Section Generator is a geometry utility that automates the design of conic sections (circle, ellipse, parabola, hyperbola) by offering the following features: user friendly operation, no previous geometry experience necessary, user-designed formats of saved data points, graphic display of curve data, variable display scale and curve parameters saved to the Clipboard. X/Y coordinates are generated using parametric techniques, producing the smoothest possible curve, maximum area under the curve and data independent of cone axis. It interfaces to all CAD programs.
$69 retail
Critical Path Design Sciences; PO Box 43; Oceanside, CA 92049; 619-439-4564

Parametric Involute Gear Generator
Generates gear data
Macintosh 512KE or larger; System 6.0.2 or later.
Parametric Involute Gear Generator is a geometry utility that automates the design of involute gear manufacturing (tooth profiling, rack and pinion, spur, internal, external, helical, tooth stress) by offering the following features: user-friendly operation, no previous gear design experience necessary and parameters are saved to the Clipboard. Coordinate data are generated using parametric techniques, producing the smoothest possible profile. It interfaces to all CAD programs.
$225 retail
Critical Path Design Sciences; PO Box 43; Oceanside, CA 92049; 619-439-4564

PlotMaker
CAD layout and plotting program
Macintosh Plus or larger; native on PowerPC.
PlotMaker is a program for arranging and plotting CAD files from almost any source in one final layout. With PlotMaker, CAD users can combine any number of files from ArchiCAD or TopCAD, or files in the common DXF, HPGL and PICT formats in one layout and scale, arrange, edit and manipulate them as needed. CAD files can be opened as editable drawings, and PlotMaker provides tools for drawing freehand lines, line segments and arcs, creating text and adding hot spots or control points, either on an imported drawing or on the layout itself. Once a drawing is placed on a layout, it can be scaled, rotated and moved to any position. PlotMaker supports all the popular pen and electrostatic plotters and laser printers, and can even create EPS files and can plot any Macintosh font.
Available with ArchiCAD
Graphisoft; 400 Oyster Point Blvd., Ste. 429; So. San Francisco, CA 94080; 415-266-8720, 800-344-3468 or 415-871-5481 (fax)

■ **PowerCADD 1.0**
Power Macintosh drawing and plotting
Power Macintosh 6100 or larger.
Accelerated for the RISC-based Power Macintosh, PowerCADD opens, saves and redraws with blistering speeds, even on the largest of drawing files. PowerCADD's high-end features and functions are identical to those of PowerDraw. PowerCADD features built-in plotting and a Pascal Macro Programming language with compiler, as well as an External programming environment to allow individual and third-party development of trade-specific "plug-ins." Many Externals are included with PowerCADD that allow users to customize the software for their needs. Other features include object and grid snapping; full tool geometry, including Bezier curves; parametric door/window insertion with automatic wall trimmming; drilled/tapped hole insertion; unlimited layers; associated dimensioning; color by layer; multiple scales per drawing; scale by layer; trim/extend; isometric shearing; Clip, Combine, Attach; user-definable command keys; and more.
$795 retail
Engineered Software; 615 Guilford-Jamestown Rd.; PO Box 18344; Greensboro, NC 27409; 910-299-4843

PowerDraw 5.0
High-end, advanced two-dimensional CAD design and drafting system
Macintosh Classic or larger; 2 MB of RAM.
PowerDraw is a full-featured CAD package known for its intuitive interface. The software includes high-end features, such as built-in plotting and a Pascal macro programming language (with compiler), as well as an External programming environment for internal and third-party development of "plug-ins." This External modularity allows users to customize PowerDraw to accommodate their needs without wasting memory or learning time with unneeded tools. Other production-oriented features include: 500 user-definable keyboard commands, unlimited layers, multiple scales on one layer, scale by layer, color by layer, full color and bit-image support, parametric symbol insertion, comprehensive dimensioning tools, interactive snapping for precision drawing, isometric and perspective drawing tools and interactive keyboard editing. An exhaustive tool palette with basic geometric drawing tools is included. Trade specific tools include architectural door/window insertion and wall clean-up tools. Mechanical long break, tapped hole and hex bolt tools are also standard with the package. DXF, Adobe EPSF, as well as other file format import/export capabilities are available separately as Plug-in modules. Ease of use, speed and customizability are key to PowerDraw.
$795 retail; multipak and educational pricing available
Engineered Software; 615 Guilford-Jamestown Rd.; PO Box 18344; Greensboro, NC 27409; 910-299-4843
FAX©NDEMAND 1-800-872-3293 **185**

PowerDraw Translator
Two-way file conversion between PowerDraw, PICT, Illustrator 88 (EPSF) and DXF
Macintosh Classic or larger; hard disk drive; drawing software.
PowerDraw Translator converts drawings between PowerDraw, Illustrator88/EPS, PICT, PICT II and DXF file formats into fully editable drawings. It also gives users the capability to read previous versions of PowerDraw, Clipboard/Scrapbook, MacDraw, Claris CAD, Library and HPGL file formats. Features include: document previewing; multiple windows open at one time; document editing through cut, copy and paste; and layer, scale and drawing size manipulation. Multiple translation options include saving a DXF file as a whole drawing, only visible layers or only selected objects; and options to save files as an Illustrator 88(EPS) drawing to fit a certain size or scale percentage. Other features include: retained text integrity, layers, grouping, color and batch conversions for the stand-alone version. PowerDraw Translator is System 7 compatible. External versions are available for PowerDraw 4.0 or later users and PowerCADD 1.0.
$275 retail; stand-alone version
$249 retail; external version
Engineered Software; 615 Guilford-Jamestown Rd.; PO Box 18344; Greensboro, NC 27409; 910-299-4843
FAX©NDEMAND 1-800-872-3293 **185**

SewSoft Bodice V2.1
Prints custom-fitted clothing patterns for blouses and shirts
Macintosh 512K or larger; ImageWriter or LaserWriter.
SewSoft Bodice is designed to bring speed and simplicity to the business of making custom-fitted shirts and blouses for sewing professionals and garment makers. The program uses ten personal body measurements to tailor clothing. These measurements specify a basic bodice, sloper or master pattern, which is printed onto six or more pages of standard printer paper. These pages are joined to form a full-size, precise pattern from which garments can be cut and sewn. The measurements can be modified to produce a new sloper whenever there is a significant weight loss or gain. SewSoft Bodice accommodates any adult body size or shape for blouses, tops or shirts. It also facilitates the adjustment of commercial patterns to individual shapes and can be used to modify styles and copy the design of a ready-made garment. The sleeve is included. SewSoft Bodice is System 7 compatible. A Windows version is also available.
$79.95 retail
$15 retail; demo disk with measurement instructions
Andros SoftWear; 3419 E. 21st St., Ste. 5; Vancouver, WA 98661; 206-750-1021

SewSoft Pants V1.13
Prints custom-fitted pants patterns from individual body measurements
Macintosh 512K or larger; ImageWriter or LaserWriter.
SewSoft Pants is the latest companion to Andros SoftWear's Bodice and Skirts programs. The 10 measurements needed for Skirts are supplemented by six more measurements for Pants for three body types. Use of calipers is explained for measuring cross-sections of the body for accurate fitting. The manual, which is a standard 8.5 by 11-inch format, describes how to operate all aspects of the program, and gives useful design, fitting and sewing information. By increasing the individual sizes according to standard steps, users can get a series of graded patterns from each of the SewSoft programs. SewSoft Pants is System 7 compatible. A Windows version is also available.
$79.95 retail
Andros SoftWear; 3419 E. 21st St., Ste. 5; Vancouver, WA 98661; 206-750-1021

SewSoft Skirts V1.37
Prints skirt patterns: straight, circular or panel; for men or women
Macintosh 512K or larger; ImageWriter or LaserWriter.

SewSoft Skirts is a companion to SewSoft Bodice and Pants. Three different styles of skirts are provided: straight, circular and panel. The Straight Skirt program will calculate and plot side-seam curves, two darts each for front and back (if needed) and length. Unique Andros skirt styles are also suitable for men. As illustrated in the manual, 10 measurements are required and may be saved to disk under the person's name. Output is to either the LaserWriter or ImageWriter, with clearly marked page numbers and crosshairs to overlap separate pages. SewSoft programs are compatible with plotter output if an extra driver program is purchased. SewSoft Skirts is System 7 compatible. A Windows version is also available.
$79.95 retail; educational packs and site licenses available
Andros SoftWear; 3419 E. 21st St., Ste. 5; Vancouver, WA 98661; 206-750-1021

SignPro
Sign making software
Macintosh with FPU; System 7.0 recommended.

SignPro is a full-featured sign design, presentation and production CAD/CAM program. It includes a built-in font converter, vectorization (for using scanned files) and digitizing, using either a mouse or a digitizing tablet. Signs can be readily designed on the screen and can be output to size using various routers, engravers or vinyl cutting equipment.
$2,995 retail
MESAC, Inc.; 655 Crawford Cir.; Longmont, CO 80501; 303-753-0405 or 303-753-0406 (fax)

Snap! 3.18
Two-dimensional CAD system
Macintosh Plus or larger; 2 MB of RAM.

Snap! is a full-featured, two-dimensional CAD system. The one billion unit design plane, along with user-definable units of measure, provide precision data input using key-ins or the mouse. The program supports symbol libraries with user-definable, fully nested symbols. On screen text input provides annotation of drawings and the special Snap! fonts allow placement of text at any angle. A wide variety of element, fence and active group transformations are included. An autodimensioning feature supports a variety of dimension modes and display settings. The program has built-in support for Houston Instrument and HP plotters and a custom PostScript generator for high quality output to LaserWriters. PICT files, copy to the Clipboard, and PostScript and plotter spool files allow transfer of Snap! drawings to other applications. Custom symbol libraries are available for architectural and engineering disciplines. Other major features of Snap! include cross-hatching, user-definable icon menus, reference file overlays, virtual screens for instant redraws, PICT file input and support for HPGL and DMPL compatible plotters.

The Snap! Translator, a direct translator to and from the Intergraph IGDS format, is available as a separate application. All translation of files is accomplished on a Macintosh, and file transfer can be accomplished using any protocol capable of binary file transfer. An optional feature allows the scaling of drawings during the translation process.
$695 retail; Snap! 3.18
$19.95 retail; demo disk
$195 retail; Snap!/Intergraph Translator
$195 retail; Snap!/DXF Translator
$195 retail; HPGL-compatible plot spooler
Forthought, Inc.; PO Box 32; Sunset, SC 29685; 803-878-7484

Snap! 3.28
CAD system
Macintosh Plus or larger; 2 MB of RAM; hard disk drive recommended.

Snap! 3.2 provides all the CAD functionality of previous versions of Snap!, in addition to features required for facilities management, bills of material and other applications requiring a mix of graphic entities and a non-graphic database. Snap! allows attachment of attribute data entry and display forms to any symbol, group or primitive object in a CAD drawing. Attribute data in Snap! is associated with CAD entities through the use of data forms (special Macintosh Dialog resources). These resources can easily be customized to any application with a resource editor, and can contain as many text entry fields as desired. Data can be entered directly into the forms while viewing a CAD file or imported from any database or spreadsheet program capable of tab-delimited output or exported from Snap! to database programs. Snap! uses a key-field in each data record to maintain the proper connection with records in the external database. An attribute display dialog within Snap! allows toggling of forms and individual fields within each form for display and plotting. Data fields can also be positioned on a CAD drawing like text elements.

A related product, the Snap! Document Processor is used to automate plotting of up to 5,000 drawings and is compatible with either Snap! 3.1 or 3.2 files. The Document Processor is designed to be used with HPGL-compatible plotters; either automatic roll feed or page feed printer/plotters (such as JDL series). Groups of drawings can be assigned a template file, controlling display levels to be plotted. The template file also determines display characteristics of the attribute data for drawings created with Snap! 3.2. By selecting a data file, the Document Processor can be used to automatically merge attribute data into each drawing before plotting.
$1,495 retail
$1,495 retail; Snap! Document Processor
Forthought, Inc.; PO Box 32; Sunset, SC 29685; 803-878-7484

Touch-3D
3-D/2-D unfolding program
Macintosh Plus or larger; 1 MB of RAM.

Touch-3D imports models created in other programs, unfolds them and exports them back again. Users can edit the result in their favorite drawing program and print the unfolded flat model on any 2-D printer, cut it out and fold it into a physical 3-D model. Touch-3D unfolds models consisting of three or four-sided closed polygons. New elements can not be added but any vertex in the model can be moved. Touch-3D imports and exports 2-D/3-D DXF files, 2-D/3-D MiniCad+ text files, EPSF files and Adobe Illustrator files. Touch-3D can be used for industrial design mock-ups, package design, architectural scale models, tin work, etc.
$395 U.S. retail
Lundström Design; Ekhagsvägen 7; 104 05 Stockholm, Sweden; (0)8-15 46 63 or (0)8-15 82 85 (fax)

TouchCad
Three-dimensional surface modeler
Macintosh Plus or larger; 1 MB of RAM.

TouchCad is a three-dimensional surface modeler that can be used to convert screen images into solid scale models and produce accurate production drawings and assembly instructions. TouchCad uses free-form defined, four-sided three-dimensional polygons to draw models. TouchCad exports DXF files, two- or three-dimensional, seen from any view, rotated or unfolded. It calculates surface areas and center of gravity in full 3-D. In addition to the front, top and side views, TouchCad also has an unfold view. This means that the program automatically calculates the flat unfolded shape of the model, which can be plotted on a HPGL-compatible pen plotter. Users just plot the model, cut it out and fold it.
$795 U.S. retail
Lundström Design; Ekhagsvägen 7; 104 05 Stockholm, Sweden; (0)8-15 46 63 or (0)8-15 82 85 (fax)

Vector That
Generates vector data from raster images
Macintosh Plus or larger.

Vector That is software that will generate vector data from raster images. It operates on a variety of image file formats (PICT, TIFF, etc.) to interactively create vector data based on user selections. It is divided into six modules: Image File Reader; Image Marking (Edge Detection) Engine; Marking Management; Vectorization Engine: Image and Vector Display; and Vector File Writer. The two or more important modules are the image marking engine and the vectorization engine. By keeping these generic in nature, and encapsulating the specific methods of their operation in "plug-in" tools, Vector That provides not only functionality needed for the first release, but also ensures that future versions can be easily enhanced.
$895 retail
Avian Systems Inc.; 1275 15th St., Ste. 15G; Fort Lee, NJ 07024; 201-224-2025 or 201-224-2566 (fax)

Vellum 2D V2.50
Two-dimensional design and drafting
Macintosh SE/30, II or Quadra family; 5 MB of RAM; hard disk drive; math coprocessor.

Vellum is a two-dimensional design and drafting package for professional and non-professional mechanical engineers, designers and architects. It includes unique technology called the drafting assistant (patented). The drafting assistant automatically locates endpoints, midpoints, tangencies, center points, intersections and any other logical geometric constraint. This capability makes precision drafting as simple as free-hand sketching, yet accurate to 16 decimal places. Vellum also includes integrated parametrics to create "dimension driven drawings," letting users sketch without thinking about exact dimensions until they are ready to dimension and reshape the drawing. Vellum comes with features normally only available on more expensive CAD packages: associative detail view, associative dimensions, NURB Spline curves, linear and polar array duplication, mechanism animation and more. DXF, IGES, EPS, PICT and HPGL translators are built in. Built-in drivers for HP, HI and CalComp plotters are also provided, plus Plottergeist plotter drivers.
$2,495 retail
Ashlar, Inc.; 1290 Oakmead Pkwy., Ste. 218; Sunnyvale, CA 94086; 800-877-2745 or 800-998-3558 (fax)

Vellum 3D V2.50
Two- and three-dimensional design and drafting
Macintosh SE/30, II or Quadra family; 5 MB of RAM; hard disk drive; math coprocessor.

Vellum 3D is a two- and three-dimensional design and drafting package for professional and non-professional mechanical engineers, designers and architects. It includes unique technology called the drafting assistant (patented). The drafting assistant automatically locates endpoints, midpoints, tangencies, center points, intersections and any other logical geometric constraint. This capability makes precision drafting as simple as free-hand sketching, yet accurate to 16 decimal places. Vellum 3D also includes integrated parametrics to create "dimension driven drawings," letting users sketch without thinking about exact dimensions until they are ready to dimension and reshape the drawing. Vellum 3D comes with features normally only available on more expensive CAD packages: associative detail view, associative dimensions, NURB Spline curves, linear and polar array duplication, mechanism animation and more. DXF, IGES, EPS, PICT and HPGL translators are built in. Built-in drivers for HP, HI and CalComp plotters are also provided, plus Plottergeist plotter drivers.
$2,995 retail
Ashlar, Inc.; 1290 Oakmead Pkwy., Ste. 218; Sunnyvale, CA 94086; 800-877-2745 or 800-998-3558 (fax)

VersaCAD Drafter
Two-dimensional drafting program
Macintosh II or IIx; 2 MB of RAM; Macintosh Plus or SE; 1 MB of RAM; math coprocessor recommended.

VersaCAD Drafter is designed for mechanical and architectural designers needing professional, two-dimensional drafting capabilities. The system features all of the two-dimensional drafting tools from the VersaCAD/Macintosh Edition system. VersaCAD Drafter provides users with a variety of drawing objects and attributes, floating-point accuracy to 16-decimal digits and unlimited visual symbol libraries. Full editing, grouping and dimensioning capabilities are included, as well as pan and zoom, grid and snap, cut and paste, up to 250 drawing levels and 10 units of measurement. For geometric construction, the program offers extend and trim, parallels and perpendiculars, fillets, tangents, ellipses, freehand sketching and Bezier curves. Object information such as length, radius and perimeter can be displayed at any time, along with cross-sectional calculations. It also features cross-hatching of regular and irregular boundaries. VersaCAD Drafter is compatible with VersaCAD/

These Products Available Through Bottom Line Distribution
1-800-347-1923

Macintosh Edition, which eliminates extra file converting operations.
$595 retail
Computervision; Personal CAD/CAM Business Unit; 100 Crosby Dr.; Bedford, MA 01730; 617-275-1800, ext. 4594 or 800-248-7728

VersaCAD/Macintosh Edition, Version 4.0
Two-dimensional CAD system with three-dimensional visualization
Macintosh II or IIx; 2 MB of RAM; hard disk drive.

VersaCAD/Macintosh Edition is a fully interactive CAD system that provides a variety of drawing objects and attributes, floating point accuracy to 16 decimal digits and unlimited visual symbol libraries. The system provides full editing and grouping capabilities, as well as pan and zoom, grid and snap, cut and paste, up to 250 drawing levels and 10 units of measurement. For geometric construction, the program includes sophisticated tools featuring extend and trim, parallels and perpendiculars, fillets, tangents, ellipses, freehand sketching and Bezier curves. Object information, such as length, radius and perimeter, can be displayed at any time, along with cross sectional calculations, such as center of gravity, moment of inertia, etc. The system also provides crosshatching of both regular and irregular boundaries.
$1,995 retail
Computervision; Personal CAD/CAM Business Unit; 100 Crosby Dr.; Bedford, MA 01730; 617-275-1800, ext. 4594 or 800-248-7728

Virtual Gibbs
Computer-aided design and manufacturing
Macintosh LC or larger; math coprocessor.

Virtual Gibbs integrates technologies that achieve three-dimensional, real-time cut part rendering and an interface of graphic realism. Users are able to see the tool actually removing the material from a solid piece of metal, creating a realistic and useful picture of what the part will look like. Virtual Gibbs introduces another technology breakthrough with "multiple process programming." This feature dramatically reduces the time it takes to program a part by automating much of the programming process. A Computer-Aided-Training (CAT) system is integrated into the system and provides a range of capabilities, from simple on-screen reference explanations to free-form prompting. Virtual Gibbs is available on both Macintosh and IBM-style personal computers.
$4,000 retail
Gibbs & Associates; 5400 Tech Cir.; Moorpark, CA 93021; 805-523-0004, 800-654-9399 or 805-523-0006 (fax)

Vertical Markets/ Construction

Accounting 4 Construction Version 5.0.2
Integrated construction accounting system
Macintosh 512KE or larger; hard disk drive recommended; ImageWriter.

Accounting 4 Construction is an integrated construction accounting system that follows the guidelines established by the Construction Specification Institute. The job is broken down first into divisions, then into cost items and finally into cost item types. Job cost is central to Accounting 4 Construction. Any accounts receivable, accounts payable, cash receipt, cash disbursement or payroll can be charged to job cost. The system is flexible enough to handle either cash basis or accrual accounting. Basic accounting features include: general ledger, accounts payable, cash disbursements, cash receipts, payroll and job cost. Numerous reports can be generated including financial statements payroll reports, state and local tax reports, W2s, 1099s, workman's comp reports, labor reports, job cost detail reports and job cost summary reports. Additional features of the package include: check writing, estimates, audit trails, project cost tracking, profit worksheets, automatic general ledger updates and automatic job cost updates.
$2,000 retail
Software Constructors, Inc.; 4117 Hillsboro Rd., #204; Nashville, TN 37215; 615-383-4850 or 615-383-4890 (fax)

BidMagic
Estimating program
Macintosh Plus or larger; hard disk drive; System 6.0.5 or later.

BidMagic creates price estimates for residential or light commercial construction projects. It works for new construction, additions, gut/rehab work or remodeling projects. BidMagic creates preliminary "rough" estimates, or high-accuracy finished bids, depending on how much time users spend. To make a BidMagic estimate, users first enter specific dimensions for the project, using special "cards" for general, foundation, roof, structural, exterior, trim and miscellaneous dimensions. BidMagic will use these measurements to "suggest" quantities for the materials and labor that will be used on the project. Users can use the suggestions, or enter their own quantities, using "pop-up" lists of construction items under each cost category. BidMagic creates a variety of printed outputs, including "room by room" reports for remodeling projects. It also exports directly to MacNail Estimating for even greater bidding accuracy.
$395 retail
Turtle Creek Software; 201 Babcock Hall; Ithaca, NY 14850; 607-272-1008

Budget & Construction
Allows users to project budgets, appraisals, programming and control
Macintosh Plus or larger; 4 MB of RAM; 800K disk drive or hard disk drive; System 7.0 or later.

Budget & Construction, a module of the Manapro Professional Software Series, is designed to budget and control construction projects. This multilingual application allows unlimited number of items, categories for grouping items with variable coding, auxiliary codes with up to 15 characters, automatic updating of costs, year-to-date information online, user-definable reports, printed formats and calculation of the unit price analysis. It can handle up to four groups of sub-items. Sub-items and unit price analysis can be imported from spreadsheets and word processors. This tool controls a user's budget schedules, resource allocations, appraisals and expenditures efficiently and accurately. It can create a schedule for each budget, and define the amount of budget necessary and period of time allowed to complete and execute the project.
$960 retail; single user
$1,920 retail; multiuser
Manapro Inc.; 3201 W. Commercial Blvd., Ste. 220; Ft. Lauderdale, FL 33309; 305-486-5900 or 305-486-8771 (fax)

Complete Construction Cost Estimator
Estimates the cost of construction
Macintosh 512K or larger; Microsoft Excel or Works.

The Complete Construction Cost Estimator estimates the cost of house and apartment construction using a square-foot calculation, along with a 600-item unit cost estimate supplement. The program follows the chronological sequence of construction from permits through completion. A user enters actual dimensions from blueprints, along with square-foot prices, and estimates are calculated. More than 22 areas are considered (concrete, drywall, roofing, etc.). The unit cost estimator supplements the areas that cannot be accommodated by a square-footage evaluation and/or allows the refinement of initial square-foot estimates.
$79 retail
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

Construction Costing 7.0
Modules that support the decision-making requirements of general contractors
Macintosh Classic or larger; hard disk drive; printer.

Construction Costing is a complete family of integrated application modules designed to support the decision-making requirements of any general contractor company. The system provides consistent information to all people in an organization through its common database and online display and report inquiry capability. The system has been designed with critical attention given to human engineering considerations and industry standards using the latest technology available. The user interface makes the system easy to learn and use for first-time and experienced computer users and provides online help features and multiple window architecture for data entry and display. The standard Construction Costing software offers eight modules, including a Quotation module to produce bids that can be transferred to Job Costing. Estimated costs are tracked and compared to the actual costs of a job for labor, material, equipment and sub-contractors. Invoicing can be generated in full or by release and is integrated to Accounts Receivable. The system features a full set of accounting modules that follow industry accounting standards and provide proper audit trails. Workman's compensation and union benefits cost are applied as cost to jobs and reported for individual employees. Modules include: Quotations, Estimated Costing, Actual Costing, Invoicing, Accounts Payable, Accounts Receivable, Payroll and General Ledger.
$2,500 retail; single user
$4,500 retail; multiuser
Advanced Data Systems, Inc.; PO Box 5717; Winter Park, FL 32793; 407-657-4805 or 407-657-4472 (fax)

ConstructionMac! 3.0
Construction and remodeling
Macintosh Classic II or larger (16 MHz CPU or larger) or Power Macintosh; 5 MB of RAM; hard disk drive; color monitor recommended; System 7.0 or later.

ConstructionMac! estimates residential/commercial construction in U.S. and metric standards. Users enter their dimensions and point-and-click their way to the estimate. It includes Revelar's interface to the Scalex 1000 digital plan scaler — users simply plug this pen-like device into the Mac, roll it along the blueprints and materials & labor are dynamically calculated as they roll along. It includes 10 estimators (Excavation, Concrete, Carpentry, Electrical, Drywall, etc.) for stick estimating, plus an assembly database to estimate by assemblies or SF allowances. Everything is summed to a Project Summary where profit, overhead, tax, etc., can be added. A schedule calculates start and completion dates for each task. Also included is the National Construction Estimator Database of 20,000 items with prices. A page layout designer lets users customize their printed reports. Features include: Board Feet converter, MSF/Area converter, Wallpaper calculator and User's manual. Unlimited toll-free technical support is free for registered users.
$329 retail
$449 retail; with Scalex 1000 Digital Plan Scaler
Revelar Software; 2350 E. Parleys Way; Salt Lake City, UT 84109; 800-669-5191

The Contractor Solution! 2.0
Construction management
Macintosh with 68030 processor running at 25 MHz or Quadra; Power Mac; 4 MB of RAM.

The Contractor Solution! is a fully integrated construction management package available in single and multiuser formats. The program features estimating with multiple bidding methods, automatic bid quote letters, automated bid request letters, materials sub-assemblies, bill of materials and bid duplication. There is job costing with reports comparing actual costs to budgeted costs. Sub-contract writing and management, purchasing, multiple billing formats, employee relations, equipment tracking, inventory management, payables, receivables and full accounting functions are all provided. It is compatible with CheckMark Payroll for processing payroll checks.
$2,650 retail
Vertical Solutions, Inc.; PO Box 217; Castaic, CA 91310; 805-257-6911 or 800-969-6911

Contractor's Checkbook
Integrated construction software
Macintosh Plus or larger.

Contractor's Checkbook is an integrated construction product that follows the guidelines established by the Construction Specification Institute. The job is broken down first into divisions, then into cost items and finally into cost item types. Job cost is central to Contractor's Checkbook. Any cash receipt or cash disbursement can be charged to job cost. The system is designed around the cash basis accounting method. Basic accounting features include: General Ledger, cash receipts, cash disbursements and job cost. Numerous reports can be generated, including financial statements, 1099s, workman's comp reports, labor reports, job cost detail and job cost summary reports. Additional features include check writing, estimates, audit trails, project cost tracking, profit worksheets,

automatic General Ledger updates and automatic job cost updates.
$800 retail
Software Constructors, Inc.; 4117 Hillsboro Rd., #204; Nashville, TN 37215; 615-383-4850 or 615-383-4890 (fax)

Contractor's Dream
Estimating program
Macintosh Plus or larger; 2 MB of RAM; System 6.0 or later.

Contractor's Dream is an estimating program for contractors and sub-contractors. Features include: database uses an easy-to-read description that is 27 characters long; labor and material costs with what-if modeling; actually gives users four types of bids at the end; wall and roof assembly for quick calculations; accumulates bids, saves jobs and percent waste included; works in feet, inches, fractions of an inch and pitch; updates bids or database by percentages; built-in text editor to perform final edits on bids; and more. Contractor's Dream will estimate almost anything and allow users to put in anything else. Estimations include roofing, decking, plywood, paneling, dry wall, brick, block, tile, ceramics, paint, siding, joists, studs, concrete, rebar, insulation, blown insulation, excavations, semi-end dump loads, fencing and more. The program comes with a manual, a 30-minute tutorial cassette and free 800 telephone support.
$499 retail; 50 percent discount if Macintosh Product Registry is mentioned
Workhorses, Inc.; 805 14th St.; Golden, CO 80401; 303-279-8551, 800-777-2477 or 303-279-0411 (fax)

Electricians PowerBid Estimator And T&M Billing
Electrical estimating, invoicing, accounts receivable, electrical materials and labor database, customer database, proposal/contract
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; Microsoft Excel 3.0 or later.

PowerBid Estimator and T&M Billing is a powerful tool for fast, accurate residential and commercial electrical estimating and billing. It consists of three fully integrated sections: Estimating, Electrical Materials Database and Time & Material Billing. The Estimator creates estimates 50 to 75 percent faster than by hand. This is accomplished using intelligent, built-in assemblies that add in conduit, wire, boxes, breakers and fittings. Job charges are extended into an adjustable Bid Summary. A selling price is generated, which is retrieved by a professional Proposal/Contract. PowerBid allows users to easily adjust all job charges. Any material and labor may be added. The Electrical Materials Database comes complete with commonly used electrical materials, wholesale/retail pricing and labor units. It is easy to update and expand. Search and split-screen functions make for quick location of parts. Materials can be added to estimates directly in the materials database. The Time & Material Billing section features Invoicing, Accounts Receivable and Customer Database. The computer-generated invoice saves time by retrieving material and customer information from the database. All charges are automatically totaled. The result is a professional looking invoice completed in a fraction of the time. To insure payment, an Accounts Receivable report allows tracking of Receivables. Clients can be organized with the Customer Address Book.
$595 retail
Jaffe Software Systems; PO Box 1075; Vista, CA 92085; 619-726-4963 or 800-888-7408

ESP — Accounting System
Handles all bookkeeping needs
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; ESP — Sales & Office Management.

ESP — Accounting System is designed to handle all bookkeeping needs, with one special difference. ESP accounting is designed so that the charting decisions are determined during system setup. From that point on, very little bookkeeping experience is needed for daily operations. There is an abundance of detailed ledgers, an audit system that leaves nothing to the imagination. The user-direct report system offers three separate default formats for an unlimited number of reports. The finance module keeps track of all active and inactive bank accounts, as well as transactions. An Invoice Payable may be assigned to one account with a secondary association and job costing may be as detailed as required. Printing checks is accomplished with a click. Accounts Receivable can automatically create invoices from jobs, inventory or on the fly. Requires ESP — Sales and Office Management. ESP — Accounting System integrates with Time Management, Sales and Office Management, Estimating & Proposal Creation System, Inventory and Payroll modules. On-site installation and training are available.
$750 retail; plus one time $250 per users license fee
CORGROUP; PO Box 1265; Madison, CT 06443; 203-458-9363

ESP — Estimating & Proposal Creation System
Creates proposals
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; ESP — Sales & Office Management.

ESP — Estimating & Proposal Creation System is designed to create proposals, organizing information to fit specific requirements. Information may be stored with all explanations and cost factors in a global library, making it available for future proposals. Cost factors may be tied to Inventory, employee or outside contractors for automatic price updating. Users may connect time directly to individual cost factors of an estimate/proposal or on a time and material job, create the cost factor. A proposal may be changed to contract automatically, contracts to invoices and invoices to account posting, without additional effort. Print work orders are organized by groups, and subgroups include task explanations, do percentage modifications, scheduling and actual to estimated job cost comparisons. It includes complete material lists with options to include vendors, costs and charges. Users can create a billing schedule with up to six progress billings. Print options allow for the use of form documents, custom or a combination of both. Requires ESP — Sales and Office Management. The program integrates with ESP — Time Management, Sales and Office Management, Accounting, Inventory and Payroll modules. On-site installation and training are available.
$325 retail; plus one time $250 per user license fee
CORGROUP; PO Box 1265; Madison, CT 06443; 203-458-9363

ESP — Executive Sensory Perception
Fully-integrated business management system
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.

ESP — Executive Sensory Perception is a fully-integrated business management system available in single or multiuser versions. This system is designed to meet a user's diverse accounting, customer service, sales, inventory and time management needs. The Basic ESP includes a single-user license, Time Management, Sales & Office Management, Estimating & Proposal Creation System, Accounting and Inventory & Purchase Order System. (ESP Payroll System may be purchased separately.) On-site installation and training services are available, as well as customizing to specific needs.
$1,750 retail; plus one-time license fee per additional user
CORGROUP; PO Box 1265; Madison, CT 06443; 203-458-9363

ESP — Inventory & Purchase Order System
Controls the movement and timing of inventory
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; ESP — Sales & Office Management.

ESP — Inventory & Purchase Order System controls the movement and timing of inventory. It is designed to organize supplies into groups and subgroups and to maintain information, such as cost, charge, unit size, stock, supplier and on-order status. Features a low inventory status system and maintains additional information, including graphics, on inventory; such as other goods or service required with the use of an item. With optional fonts users can print bar code labels. The subsystem allows users to organize inventories of non-resale items, such as assets and price only lists. Users can create and post purchase orders or retain for additional and future posting. It features the ability to review and print the purchase history of any given item. Requires Sales and Office Management. The program integrates with ESP — Time Management, Sales and Office Management and Estimating & Proposal Creation System modules. On-site installation and training are available.
$325 retail; plus one time $250 per user license fee
CORGROUP; PO Box 1265; Madison, CT 06443; 203-458-9363

ESP — Payroll & Time Card System
Manages time and payroll
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; ESP — Sales & Office Management.

ESP — Payroll & Time Card system is to accurately calculate employee payroll and withholdings. Entries may be as detailed as is required. Select the proper workers compensation code for each entry or let the default stand. Users enter from one per pay period to any number required per day. A report and tracking system allows for detailed information on the time aspect on any job, period or employee including true hourly costs. Track payments due on workers compensation. Prints 8109 reports, 941, 940 and W2's. Combined with ESP — Estimating and Proposal Creation System, users may connect time directly to individual cost factor of an estimate/ proposal or create the cost factor on a time and material job. State specific modules are sold separately. Requires ESP — Sales and Office Management. Integrates with ESP — Time Management, Sales and Office Management, Accounting and Estimating and Proposal Creation system modules. On site training and installation available.
$1,500 retail; plus one time $250 per user license fee
CORGROUP; PO Box 1265; Madison, CT 06443; 203-458-9363

ESP — Sales & Office Management
Organizes information
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.

ESP — Sales & Office Management's key feature is its ability to organize information in such a way as to make it readily available to many people and projects. It provides the means to handle vast amounts of information in a relaxed manner. Users can organize their clients, vendors, contractors and employees. Each main record may have any number of associated records. Users can organize information into groups and subgroups. All communications may be recorded — know what letter was written and when. Users can keep time and date stamped notes on conversations, and enter automatic follow-up reminders for anytime now or in the future. The program will even dial the phone and log the call, as well as tell users the time zone. Simple appointment insertion into an appointment book, labels and mass mailings are all automatic. This module includes ESP — Time Management. The system integrates with ESP — Estimating & Proposal Creation, Accounting, Inventory & Purchase Order and Payroll modules. On-site installation and training are available.
$325 retail; plus one-time $250 per user license fee
CORGROUP; PO Box 1265; Madison, CT 06443; 203-458-9363

ESP — Time Management
Manages time and general secretarial functions
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.

ESP — Time Management handles all personal and company time management and general secretarial functions. It includes a day binder for convenient transfer of information and an address book to easily organize names, addresses and phone numbers and to maintain general information specific to an individual. The system allows any number of appointment books to keep track of appointments, with options to roll the appointment daily, weekly, monthly or yearly, plus automatic reminders, expense records and printing of daily, weekly or monthly day binder sheets, as well as yearly date calendars. The system creates memos and letters with address and salutation automatically added. A Message Center is provided to automatically remind users of important calls, meetings, follow ups, etc. Users can store any number of graphics/logos to include on envelopes, letters, invoices, etc. A mailing label system, time zone system, automatic dialing and call logging is also provided. The system integrates with ESP — Sales & Office Management, Estimating & Proposal Creation, Accounting, Inventory and Payroll modules. On-site installation and training are available.
$150 retail; plus one time $250 per user license fee

These Products Available Through Bottom Line Distribution
1-800-347-1923

CORGROUP; PO Box 1265; Madison, CT 06443; 203-458-9363

Estimating 4 Construction
Construction take-off and estimating system
Macintosh Plus or larger.

Estimating 4 Construction (E4C) is a complete construction take-off and estimating system. E4C allows users to "teach" the computer how they want to estimate. Users first break an estimate into work items (e.g., brick wall), then develop a series of questions related to the work item (e.g., What size brick?) and assign possible answers. By selecting a specific answer, users will determine the cost items needed for a job. Users then allow the program to calculate quantities needed, or may enter the quantity. In either case, users may edit the quantities at any time. The result is an estimating system that most resembles a company's method of estimating, while exploiting the benefits of the Macintosh. E4C also allows users to perform a number of analyses that will provide an unprecedented number of checks and balances for both them and their client.
$1,000 retail
Software Constructors, Inc.; 4117 Hillsboro Rd., #204; Nashville, TN 37215; 615-383-4850 or 615-383-4890 (fax)

The Estimator Solution! 2.0
Estimating
Macintosh with 68030 processor running at 25 MHz or Quadra; 4 MB of RAM.

The Estimator Solution! is a fully integrated estimating package available in single and multiuser formats. The program features multiple bidding methods, automatic bid quote letters, automated bid request letters, materials sub-assemblies, bill of materials, bid duplication, augmentation and subcontractor quote comparisons.
$295 retail
Vertical Solutions, Inc.; PO Box 217; Castaic, CA 91310; 805-257-6911 or 800-969-6911

Hyper•Estimator 1.1
Approximates additions, new construction or rehabilitation costs; links to MacNail
Macintosh Plus, LC or larger; hard disk drive; HyperCard.

Hyper•Estimator is intended for architects, builders or homeowners who are planning residential construction projects. The program finds the approximate cost of additions, new construction or total rehabilitation work. It also links with MacNail to create finished bids for construction professionals.
$95 retail
$145 retail; packaged with Hyper•Remodeler
Turtle Creek Software; 201 Babcock Hall; Ithaca, NY 14850; 607-272-1008

Hyper•Remodeler 1.1
Remodeling estimates on a room-by-room basis; links to MacNail
Macintosh Plus, LC or larger; hard disk drive; HyperCard.

Hyper•Remodeler is intended for architects, builders or homeowners who are planning residential remodeling projects. It works on a room-by-room basis. It also links with MacNail to create finished bids for construction professionals.
$95 retail; Hyper•Remodeler
$145 retail; packaged with Hyper•Estimator
Turtle Creek Software; 201 Babcock Hall; Ithaca, NY 14850; 607-272-1008

InterTrack 2.0
Sales, service and support
Macintosh with 68030 processor or larger; 8 MB of RAM; System 6.0 or later (System 7.x recommended); dedicated server for network use.

InterTrack, formerly known as MacHVAC, is a multiuser scheduling, dispatching, accounting and management system developed for any contractor. Users can maintain "live" customer order, on-site maintenance, repair and installation work history. It integrates data on employees, inventory, vehicles, maintenance, customers and vendors with multiple sites and multiple systems. Service contract preparation, automatic scheduling of preventive maintenance, as well as incoming calls and crew assignments, are done in one step. A bulletin board routes critical messages to field personnel when they check in or out of a job, providing an audit trail of responsibility. Purchasing can be radio authorized and resulting inventory can be automatically traced to PO, truck, job and user. Other features include integrated mail merge, productivity analyses, cost and value of inventories.
$795 retail
$179 retail; each additional user (minimum two)
Synergy Marketing Communications, Inc.; 11 Joseph Ct., Ste. 213; Syosset, NY 11791; 516-935-9151 (phone/fax)

MacMeasure
Construction take-off software
Macintosh SE or larger; Microsoft Excel 2.2 or 3.0.

MacMeasure is a tool for construction estimators that integrates the measuring speed and accuracy of a CalComp ADB digitizer board with a user's existing Excel spreadsheet. With the assistance of a digitizer, MacMeasure gives the construction estimator the capability to measure quantities from blueprints in seconds. Then, with a click of the mouse, MacMeasure transfers these quantities into existing Excel spreadsheets. No cutting or pasting is necessary. Its graphic duplication of the measurement is one feature that makes MacMeasure unique. Each item is associated with a picture. This picture is a visual record used by estimators to remind them what has and what hasn't been measured. MacMeasure supports Imperial and metric scales, and is capable of creating a custom scale for blueprints that have been photocopied or reduced.
$995 retail
Tally Systems, Inc.; 1742 Garnet Ave., Ste. 111; San Diego, CA 92109; 619-268-1610, 800-748-6636 or 619-278-3684 (fax)

MacNail Accounting 3.4
Job costing/payroll/accounts payable
Macintosh Plus, LC or larger; 2 MB of RAM; hard disk drive; Microsoft Excel 1.5 or later.

MacNail Accounting is designed for small and medium-sized businesses that are run from a checkbook or several checkbooks. It is checkbook-based, single-entry and builder-specific. MacNail includes two types of checkbook ledgers to handle money transactions. It includes separate labor, material and subcontractor logbooks to handle expenses, and sets up cost control worksheets for each project so users can see an "estimated vs. actual" progress report based on costs to date. Labor information from the labor logbook can be used to generate payroll. The payroll system will figure all withholding and employer deductions automatically. It will print 1099s and W-2s, as well as track itemized payroll payments for each employee and for the company as a whole. MacNail provides check printing for its accounts payable system, as well as for payroll. There is also built-in profit and loss tracking that lets users see their income and expenses for each project and for each month.
$295 retail
Estimating, Scheduling and Customizing add-ons are available, as well as package prices
Turtle Creek Software; 201 Babcock Hall; Ithaca, NY 14850; 607-272-1008

MacNail Customizing 3.0
Calculates material unit costs
Macintosh Plus, LC or larger; 2 MB of RAM; hard disk drive; Microsoft Excel 2.2 or later.

MacNail Customizing calculates material unit costs using "assemblies." It automatically adjusts estimator costs based on experience (as calculated by the Job Costing portion of MacNail Accounting). The program creates new customized estimators for use with MacNail Estimating. It allows users to add and delete cost categories from existing MacNail estimators.
$145 retail
Estimating, Accounting and Scheduling add-ons are available, as well as package prices
Turtle Creek Software; 201 Babcock Hall; Ithaca, NY 14850; 607-272-1008

MacNail Estimating 3.4
Construction estimating for residential or light commercial projects
Macintosh Plus, LC or larger; 2 MB of RAM; hard disk drive; Microsoft Excel 1.5 or later.

MacNail is a complete, integrated construction management package that lets users prepare accurate bids, keep books, monitor job costs, do payroll, schedule jobs and order materials. MacNail Estimating pre-calculates quantities for most construction items, based on fairly simple construction dimensions. It comes complete with a 1,000 item database of residential/light commercial unit prices. It lets users see any part of the bid at any time, and lets users enter any information at any time. If an item is changed, all prices are adjusted automatically. MacNail Estimating includes several specialized estimators for different sizes of projects — using either CSI divisions or 30 MacNail divisions. MacNail lets users change any part of the "innards" of the estimate, making it easy to handle custom work or non-standard details. Users can create their own custom estimators to suit their specific style of construction. MacNail Estimating also links to BidMagic and to the MacNail Cost Control/Accounting, Scheduling and Customizing modules.
$295 retail
Accounting, Scheduling/Material Take-Off and Customizing add-ons are available, as well as package prices
Turtle Creek Software; 201 Babcock Hall; Ithaca, NY 14850; 607-272-1008

MacNail Scheduling 3.2
Project schedules, material takeoffs and reminders
Macintosh Plus, LC or larger; 2 MB of RAM; hard disk drive; Microsoft Excel 1.5 or later.

MacNail Scheduling turns any MacNail estimate into a detailed "time line" schedule. The starting date for each task in the schedule, as well as the completion date for the project, is calculated for users based on the project details in a MacNail estimate. MacNail lets users enter delays and variable crew sizes on different parts of the projects. A lead times command tells users when to call in for special order materials. It's easy to get a material take-off list or a tool list for any part of the project. Special Reminder Lists for each project and Punch Lists for subcontractors help users manage project quality control. MacNail has a link to MacProject II that lets users get a full critical path schedule.
$145 retail
Estimating, Accounting and Customizing add-ons are available, as well as package prices
Turtle Creek Software; 201 Babcock Hall; Ithaca, NY 14850; 607-272-1008

■ **MacNail Spec Writer 3.0**
Creates contruction contracts
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; Microsoft Excel 3.0 or later.

MacNail Spec Writer creates contracts, subcontracts and spec sheets. It includes "boilerplate" legal language covering a wide range of construction situations. Users can add, delete or change any text. Users can also add a detailed description of the project, using information from a MacNail estimate, a MacNail schedule or a BidMagic bid. Contracts can be opened, formatted and printed with any word processor or with the Excel spreadsheet.
$195 retail
Turtle Creek Software; 201 Babcock Hall; Ithaca, NY 14850; 607-272-1008

■ **Revelar's Scalex-Interface**
Digital plan scaler
Macintosh Classic II or larger (16 MHz CPU or larger); 4 MB of RAM; System 6.0.7 or later; hard disk drive; color monitor recommended.

Scalex-Interface lets users use the Scalex 1000 digital plan scaler with all their Macintosh applications. The Scalex 1000 is an electronic pen-line device with a wheel at the tip that users roll along their blueprints. Infrared lights detect wheel rotation and calculate scaled length. Accuracy is +/- .25 percent. Users plug the Scalex into their Macintosh, set the scale and roll it along their blueprints. The length is dynamically updated on the screen. After selecting the destination application (spreadsheet, database, etc.), users enter the value. Features include: on/off switch; linear, square or cubic measurements; port selection (printer/modem); set or receive length, count or constant values; wheel rotation sense; scale factor type (ratio, inch, etc.); 52 pre-set scales; and units of measurements (US and

Metric). It also includes unlimited toll-free technical support.
$199 retail
Revelar Software; 2350 E. Parleys Way; Salt Lake City, UT 84109; 800-669-5191

Total Opening Concept
Estimation/scheduling system
Macintosh with 8 MB of RAM; 160 MB hard disk drive.
Total Opening Concept is a revolutionary estimation/scheduling system. It is designed for estimating and scheduling architectural door and hardware projects. The user interface is easy and the program is loaded with features. Customization is available.
$1,895 retail
The Merrick Group; 84 Breezy Heights; Marlboro, NY 12542; 914-236-7133 (phone/fax)

TransAction!
Construction loan disbursing software
Macintosh LC III or larger; 8 MB of RAM; 40 MB hard disk drive; 14-inch monitor.
TransAction! is a complete software solution for construction loan disbursing. TransAction! has been designed to eliminate as much risk as possible from the construction disbursing process and to streamline much of the necessary paperwork and legal requirements. For banks, builders, title companies or title agents, TransAction! provides a whole new level of control and peace of mind. TransAction!: generates all of the proper documentation for construction loan management, including construction loan agreements, contractor worksheets, affidavits, security agreements and inspection reports; handles contractor, subcontractor and vendor payments; facilitates the collection of lien waivers; tracks the Construction Loan and all line item budgets; generates extensive reports on all disbursing activity; and provides remote access so that up-to-date information is instantly available to the bank, title company and builder.
$12,495 starting price retail; includes hardware and software (multiuser system include client and client/server software)
Information Reporting Technologies, Inc.; 931 Pheasant Woods Dr., Ste. 200; Manchester (St. Louis), MO 63021; 314-394-1414 or 314-230-0929 (fax)

WoodWrite CAD
Computer-aided design for architectural woodwork
Macintosh LC or larger; 6 MB of RAM; hard disk drive.
WoodWrite CAD is a powerful two-dimensional CAD package for custom woodworkers. Features include: fully menu driven, with tear-off menus; unlimited undo and redo of all drawing creation steps; intelligent snap automatically locates drawing points for a user; full range of constraints, including parallel, perpendicular, tangent, offset, orthogonal, angle angular, length, adjacent, between; automatic creation of plan views from elevations; automatic creation of perspectives from one plan and two elevations; automatic creation of elevations from floor plans; automatic blow-up of detail; dynamic linking of details with their blow-ups (change one and the other changes); multiple scales on same page; smart symbols that can be scaled, rotated, flipped and resized as they are entered; automatic linking of like symbols; automatic substitution of one symbol for occurrences of another; smart symbol data and graphic information can be exported to any computer system; database export capability; cabinet Smart Symbols library that allows automatic creation of full bills of materials directly from the CAD drawing; bill of materials generation for custom items; display list support for instant redraw; file interchange with AutoCAD, IGES, PostScript, 3D programs and PICT; integrated macro generation capability; integrated plotter drivers; tile prints fax-ready hard copies from D- or E-size drawings; double floating point accuracy; export this accuracy to CNC, point to point boring machines and computer-driven saws; and more.
$3,750 retail
WoodWrite Systems; 612 Elmira Rd.; Ithaca, NY 14850; 607-272-1444 or 607-272-3980 (fax)

WoodWrite Cut List And Panel Optimizer
Cutting lists and panel optimization for architectural woodwork
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; Microsoft Excel 3.0.
With the WoodWrite Case Work Cut List, a person in the office can generate accurate cut bills. The Panel Optimizer can then read these cut bills and optimize cuts for the panel saw. Users save money by producing less waste. Case Work Cut List features include: standard casework; custom casework; user defines settings; itemizes hardware; automatically linked to Panel Optimizer; user defines building style; and instantaneous change over to new styles. Panel Optimizer features include: allows users to adjust pieces after optimization; generates labels for each piece; tracks inventory of unused sheets; optimizes by rip or cross cut; and user defines kerf and trim size.
$3,250 retail; Cut List
$1,700 retail; Panel Optimizer
WoodWrite Systems; 612 Elmira Rd.; Ithaca, NY 14850; 607-272-1444 or 607-272-3980 (fax)

WoodWrite Estimating
Fast, accurate estimating for architectural woodwork
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; Microsoft Excel 3.0.
The WoodWrite Complete Estimating Package helps users to do fast, accurate, consistent estimates. They are entered in standard forms, so they can be checked by others in the company. The package includes: List Manager & Door List (estimating and item management), CabEst (casework estimator), TrimEst (standing and running trim estimator), TopEst (countertop, shelving and panels estimator), Sash & Door Est (sash, door and frame estimator), SpecialEst (special items estimator), AWI Costbook Tables and Job Margins (margin and scheduling projections).
$7,650 to $8,450 retail; all templates
WoodWrite Systems; 612 Elmira Rd.; Ithaca, NY 14850; 607-272-1444 or 607-272-3980 (fax)

WoodWrite Project Management & Job Cost
Project management for architectural woodwork
Macintosh Plus or larger; 4 MB of RAM; hard disk drive.
WoodWrite Project Management & Job Cost database can track the information users need and provide a full range of reports. Through automatic relationships, material and labor usage are posted directly from the purchase orders and time card entry systems. Purchasing can be done for a job on an item by item basis or material can be assigned into inventory. Inventory can be reassigned to a job at any time. Change orders, work orders and ship tickets are all tracked by the system. There are many standard reports, as well as the capability to create user-defined adhoc reports and graphs. The program is multiuser.
$6,500 retail
WoodWrite Systems; 612 Elmira Rd.; Ithaca, NY 14850; 607-272-1444 or 607-272-3980 (fax)

WoodWrite Takes Off!
Provides automatic take offs from blueprints or scan film
Macintosh LC or larger; 6 MB of RAM; hard disk drive.
WoodWrite Takes Off! provides automatic point-and-click take offs from any scale blueprints or scan film, and of any legibility. It provides a database manager for the listed information, and the program automatically links to WoodWrite Systems Estimating and WoodWrite Systems CutList. Users can export data to any database, spreadsheet or cutting list program. It interfaces with all industry standard CAD systems to create scaled floor plans and key plans.
$4,750 retail
WoodWrite Systems; 612 Elmira Rd.; Ithaca, NY 14850; 607-272-1444 or 607-272-3980 (fax)

Vertical Markets/Education

■ AdminEase
College, post graduate or secondary school administration made easy
Macintosh Plus or larger; System 6.0.2 or later; hard disk drive.

AdminEase automates the routine administrative functions of a school. The Applicants section tracks the completion of all steps required for acceptance, including reception of financial aid prerequisites. Programs (major) are defined by the user and classes assigned to them. Students are tracked and reported on by their program status, their registration status and by their financial status. Extensive reports include: applicant status; class/instructor scheduling; demographics; grading/transcript generation; student/faculty data; trimester and cumulative GPAs; and class drops/withdrawals. The Financial section allows automatic charging by the course or by the program enrolled/taken. It handles progressive tuition payments, refunds and credits; monthly statements, aging and late charges; and miscellaneous fee tracking and adjustments. AdminEase can be customized. It is Helix based.
$2,500 retail; single user (call for pricing for client/server-multiuser)
$10 retail; fully-functioning, time-limited single-user demo disk
Power Services of N.E. Inc.; 25462 Calle Jardin; San Juan Capistrano, CA 92675; 714-496-7143 (phone/fax)

Apple Media Kit
Multimedia authoring/digital publishing tool
Macintosh with 680x0 processor; System 7.0 or later.
The Apple Media Kit is a multimedia authoring/digital publishing tool. Products developed with the Apple Media Kit use QuickTime to playback on both computers using Microsoft Windows and Macintosh computers. The Apple Media Kit includes two tools, the Apple Media Tool and the Apple Media Tool Programming Environment. Both tools are designed to work together for cross-platform multimedia development. The Apple Media Tool allows users to assemble media elements and add interactive features without writing any code; uses object-based authoring, for rapid creation of prototypes using rough-draft media elements; preserves interactive connections when finished media elements are substituted for rough-draft media elements; optimizes hard disk-based and CD-ROM-based projects; and allows users to author on Macintosh and simultaneously deliver projects on Macintosh and Windows systems. The Apple Media Tool Programming Environment includes both a new programming language and a new application framework; combines the power of an object-oriented programming language with the ease of use of a scripting language; makes project code portable between Macintosh and Intel-standard computers running Microsoft Windows; and gives access to both Macintosh and Microsoft Windows toolboxes through a C language interface.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Attendance Made Easy
Record and edit student attendance
Macintosh Plus or larger; 2.5 MB of RAM; 5 MB of free hard disk space.

These Products Available Through Bottom Line Distribution
1-800-347-1923

Schools can save time and money by using Attendance Made Easy. It allows schools to record and edit student attendance in an easy-to-use spreadsheet format. It automatically generates and tabulates daily attendance, rosters, state forms and customized reports.
$50 per year retail (or $500 one-time fee)
International Software Associates; 2013 Pembrook Dr.; Glenshaw, PA 15116; 412-486-8464 or 800-472-2968

Authorware Professional For Macintosh 2.0
Interactive multimedia authoring software for training and education
Macintosh Plus or larger (Macintosh II family with 4 to 8 MB of RAM recommended); hard disk drive; System 6.0.2 or later.

Authorware Professional is multimedia authoring software for training and education. Visual programming allows non-technical users to build applications without scripting. Eleven design icons provide full authoring functionality and a powerful development platform. The software provides a full range of sound, animation and video in applications. It imports 3D models from Swivel 3D, animation from Macromedia Director or Three-D, sounds from MacRecorder, as well as all standard Macintosh file formats. A run-time module lets users publish and distribute applications.
$1,995 retail
Macromedia; 600 Townsend St.; San Francisco, CA 94103; 415-252-2000 or 415-626-0554 (fax)

Bobbing GradeBook
Allows educators to record, edit, average, plot and report grades
Macintosh 512K or larger.

Bobbing GradeBook allows educators to record, edit, average, plot and report grades. The screen display looks like a paper grade book, including dog-eared pages and spiral binding. To turn the page, click on the dog-ear. To edit a student name or grade, point to its cell and type. Bobbing GradeBook performs all calculations in the background, even as new grades are being entered, so averages are always up to date. A single click instantly shows a trend line or histogram; double-click for reports or statistics. Full undo is supported.
$99 retail
Bobbing Software; 67 Country Oaks Dr.; Buda, TX 78610; 512-295-5045 or 800-688-6812

CashTracker
Manages accounts for schools
Macintosh Plus or larger.

Whether it is this year's capitation, the coffee fund, a paying visit, club funds or any combination, CashTracker could be all users need to manage the accounts simply and effectively. Features include: receipt printing; remittance listings for the main office; online help menu; any number of account allocations; point-and-click entries to speed up repetitive transactions; cash log to list all transactions in date order; account logs to monitor specific spending categories; and account transfers, so users can budget the funds.
$50 retail
$150 retail; site license
The Flexible Learning Co.; 15 Longpoles Rd.; Cranleigh, Surrey, England GU6 7JZ; (0) 483-277020

ClassBase
Classroom information management system for teachers and administrators
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.

ClassBase is a K-12 classroom/school/district information management system designed for all educational environments. ClassBase covers student information, behavior notes, attendance, grades, lesson plans and more. Users can track multiple classes and/or subjects in a logical and flexible manner. Series I, a single-user program, allows teachers to track all classroom information from home, at school or both. Series II, a multiuser system, is designed to function in a networked classroom environment. Using central file serving technology, ClassBase II tracks and collects all student information in an online and real-time manner. Teachers collect vital student information at its source and the information is immediately accessible by all levels of the school and district's administration. ClassBase II is a cross-platform system that can utilize multiple non-Apple server hardware. ClassBase II's Custom Report Generator allows users to create custom report environments (data relationships and filters) and layouts. Once created, the custom reports can be printed at any time with up-to-the-minute information. On-site training is included in most Series II purchases and customizations are available.
$35 retail; single user
$3,000 and up retail; multiuser
B.A.S.E. Systems; 312 Montgomery St.; Alexandria, VA 22314; 703-548-5153, 800-874-7380 or 703-836-6453 (fax)

Course Builder V4
Visual authoring language to create stand-alone teaching, testing and training applications
Macintosh Plus or larger; 2 MB of RAM (required for authoring); hard disk drive required.

Course Builder is an authoring system for creating interactive training programs and public information systems. Using a visual programming interface, Course Builder removes the programming barriers to generating multimedia presentations, electronic textbooks, simulations and interactive training courses. Built-in features, such as graphics editing, animation and digital sound support, make the presentation of information easy and powerful. Dialog boxes, mouse clicks, user variables and simulated controls are used to receive and interpret input. Course Builder automatically tracks user performance and will allow the course to branch according to past answers or in sophisticated automatic and random ways. Course Builder options include a video module, which adds the capability to synchronize interactive video using on-screen button controls; and QuickTime compatibility through the QuickTime Module. Courseware created with Course Builder is stand alone and can be distributed without royalties, licensing or run-time disks required. Course Builder is System 7 compatible, supporting TrueType and 32-bit addressing.
Call for pricing; education and site licensing pricing available (free evaluation version available on request)
Discovery Systems International, Inc.; 7325 Oak Ridge Hwy., Ste. 100; Knoxville, TN 37931; 615-690-8829 or 615-690-8838 (fax)

Da Poma GB
Grade-book manager
Macintosh 512K or larger; external disk drive or hard disk drive; any printer selected by chooser.

Da Poma GB is a grade book management program that allows a teacher or professor to record and calculate class grades. All editions allow student scores to be weighted by category or proportionally; up to three low scores can be dropped for each student; any number of scores to be excused; the final grades can be weighted by grading period; and grade break points can be adjusted to fit the grading need or three optional standard break points can be used. The program also contains a report that displays raw scores in a form similar to spiral-bound grade books. Other reports include individual student grade, individual raw score and class grade lists. The transfer of reports to other programs via text documents is also provided. The elementary edition handles up to 75 students per class, and the university edition handles up to 375 students per class. Da Poma GB is 32-bit clean for System 7 and 680X0 emulation on Power Macintosh.
$75 and $150 retail
Da Poma, Inc.; PO Drawer H; Hondo, TX 78861; 512-426-5932 (phone/fax)

Dasher
Foreign language authoring system
Macintosh 512K or larger; System 6.0.7 or later.

Dasher is a foreign language authoring environment for the Macintosh. Lessons created with Dasher help students build language skills in vocabulary, structure and listening comprehension. Multimedia elements of graphics, sound and videodisc control can easily be integrated into these lessons. Dasher's visual mark-up guides students to correct answers. Other innovative features are Dasher's ability to record student performance and provide a transcript of the student's progress through a lesson. Dasher currently supports Spanish, French, German, Italian, Portuguese, Latin and English. Site licensing is available, as are videodiscs that can be used in authoring lessons. Free demos are available.
$150 retail
$400 retail; network site license
Conduit; The University of Iowa; 100 Oakdale Campus, M306 OH; Iowa City, IA 52242; 319-335-4100 or 800-365-9774

Data Logger
Allows users to use a Macintosh and either the Universal Lab Interface or the Serial Box Interface with a number of different sensors and probes
Macintosh Plus or larger; System 6.0 or later.

Data Loggers allows users to use a Macintosh and either the Universal Lab Interface or the Serial Box Interface with a number of different sensors and probes, including pH electrodes, thermocouples, magnetic field sensors, light sensors and pressure sensors. Data collected are displayed graphically on the screen and can be manipulated, saved on disk or transferred to other Macintosh programs. Two probes may be used at once. Universal Lab Interface or Serial Box Interface, sensors and probes are sold separately.
$30 retail; includes site license
Vernier Software; 2920 SW 89th Ave.; Portland, OR 97225; 503-297-5317 or 503-297-1760 (fax)

■ **The Digital Chisel**
Educational multimedia authoring software
Macintosh LC or larger; 4 MB of RAM; System 6.0.7 or later.

The Digital Chisel is educational multimedia authoring software. Users do not need to be programmers to create interactive multimedia presentations, storybooks, lessons, reports or portfolios using libraries of graphics, QuickTime movies, sound, animation and text. Users can create full-color graphics with the built-in paint and draw tools, record and play back sounds, "shoot" and record color animations and make power-buttons that can control projects. Users can also create speaking text, hypertext (for pop-up information), path animations and control multiple laserdisc or CD-ROM players — all without scripting. Users can use the built-in templates to instantly create essay, multiple choice, fill-in, true/false, matching and picture point-and-click questions for interactive lessons that provide timely, accurate feedback. A special feature allows for action on a wrong answer so users can author truly adaptive lessons that respond differently to each user. A built-in database allows for easy, yet complete record keeping. All pertinent information is recorded for each user — name, ID, total time on task, number of questions answered, raw score, how many were answered right and wrong, the response to each question and the full text of all essays. A completed Digital Chisel project can stand alone or become an integral part of the other curriculum-based programs coming soon from Pierian Spring Software.
$159.95 retail
$399.95 retail; lab pack
$995 retail; site license
Pierian Spring Software; 5200 SW Macadam Ave., Ste. 250; Portland, OR 97201; 503-222-2044, 800-472-8578 or 503-222-0771 (fax)

DisciplinePro
Analyzes and reports data trends in numerous formats
Macintosh Plus or larger; FileMaker Pro.

This easy and affordable option uses FileMaker Pro, the friendly database program. Even a novice user can view, retrieve or enter data in a variety of different ways. The easy mouse-driven interface and FileMaker Pro will make a user's first experience with DisciplinePro a productive one. DisciplinePro's features empower a principal to analyze and report data trends in numerous formats. DisciplinePro is particularly useful during parent or student conferences and administrative meetings. Included in its multiple types of preformatted reports are: individual student summary; daily suspensions; teacher summary; disposition summary; detention attendance management; and teacher incident count.
$95 retail; single user
$250 retail; with FileMaker Pro
$295 retail; network/site license
K-12 MicroMedia Publishing, Inc.; 6 Arrow Rd.; Ramsey, NJ 07446; 201-825-8888, 800-292-1997 or 201-825-0582 (fax)

■ **Easy Grade Pro**
Grading program; grades 1 to college level
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later; color monitor recommended.

Easy Grade Pro is a powerfull grading program that offers an abundance of easy-to-use grading, attendance, seating, analysis and reporting tools. Easy Grade Pro integrates all classes in a single file. This single file lets users save time and build reports on more than one class, yet still allows users to manage classes individually. A single gradebook can record up to 54 unique classes with more than 13,000 students and 3,000 assignments. Features include: extensive summaries that show performance in nine ways; 14 reports with print preview that may be customized; grade scale, categories, weighing, calendar, comments, rounding, font, colors, display and more are easily customized; class and score note features allow users to record observations, as well as scores; networkable; and password protection.
$49 retail
$249 retail; site license
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

Easy Grade Pro 2.0
Gradebook management
Macintosh Plus or larger; 1 MB of RAM (2 MB recommended); hard disk drive; System 6.0.5 or later.

Easy Grade Pro offers an abundance of powerful grading, attendance, seating, analysis and reporting tools in a format that is extremely fast, easy to use and fun. Everything a teacher does for a school year is put into one gradebook file that can contain dozens of classes and thousands of students and assignments. Each class offers a complete set of grading, attendance and other options. The customizable floating tool palettes offer dozens of tools. Scores and attendance can be entered quickly by clicking on the tool palette. Extensive summaries and reports can combine data from several classes and subjects. Reports include progress, gradesheets, rosters, missing work, summaries, mailing labels, seating charts and more. Other features include: security, color, networking, print preview, porting, balloon help, full editing, full undo and more. It is not copy protected.
$49 retail
$249 retail; school site license
ORBIS Software; PO Box 73745; Puyallup, WA 98373; 206-848-6899 (phone/fax)

Easy I.E.P.
Takes the time and stress out of writing Individual Education Plans
Macintosh Plus or larger; hard disk drive.

Easy I.E.P. is designed to take the time and stress out of writing IEPs. Users can record their entire meeting and, in many cases, will type very little. Users choose from lists of comments they create to fit their needs by clicking on the comments they want to use. Users enter the goals and objectives they use all the time in a master file and never have to type them again. Master goals and objectives can be modified or new ones added to fit the individual student as an IEP is being written. A complete history of all IEPs are saved and available at all times. All mandated criteria for IEPs are a part of each IEP, its goals and objectives. Individual student information, such as address, phone number, school schedule, parents name, etc., are also kept.
$395 retail; quantity pricing available
Entry Ez Software; 79 Cedar Cir.; Durango, CO 81301; 303-247-4516 (phone/fax)

ECI Daycare Manager
Day-care center management
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.

Daycare Manager helps automate those tiresome tasks associated with the operation of a small day-care center without requiring extensive computer knowledge. Family and child demographic information, including pertinent health information, is maintained. Also included is the ability to track child attendance, meals served, authorized pick-up individuals and staffing. Daycare Manager will also perform periodic, consolidated billing by family based on a variety of user-selectable billing methods. Many standard reports are included. Customization services are also available.
$495 retail; single user (multiuser version will be available)
ECI The Computer Authority; 3909 Center Point Rd. NE; Cedar Rapids, IA 52402; 515-753-6676 or 800-733-6675

Educational Budget Management System
School-based planning and budgeting program
Macintosh 512KE or larger; external disk drive or hard disk drive; ImageWriter or LaserWriter.

The Educational Budget Management System allows school administrators to develop program budgets. Fund, Location, Function, Program and Object reports can be generated to screen or to a printer. Location budgets can be summarized and compared with one another using Summary and Comparison reports. Major objects and subtotals can also be generated. Features include support for three levels of management; the ability to create and modify program plans in spreadsheet format; program plans can be merged together to form larger budgets; automatic fringe benefit calculations; alternate program plan configurations may be entered, ranked and analyzed; annual budget rollover option to create next year's budget data files; total budget size up to $2 billion; ability to play what-if scenarios with budgets; user-defined Chart of Accounts; and more.
$995 retail
Precision Computer Systems; 1130 E. University Dr., Ste. 205; Tempe, AZ 85281; 602-829-3131 or 602-829-3133 (fax)

Event Counter
Collects data from a Radiation Monitor
Macintosh Plus or larger; System 6.0 or later.

Event Counter collects data from a Radiation Monitor (Geiger counter). The data is graphed in real time as the data is being collected. Both counts/interval and distribution graphs can be produced. Half lives and the randomness of radioactivity can be studied. Once the data is collected, it can be saved or transferred to another application. The Radiation Monitor connects to the Universal Lab Interface, which interprets the data and relays it to the Macintosh via the modem port. Universal Lab Interface and Radiation Monitor are sold separately.
$25 retail; includes site license
Vernier Software; 2920 SW 89th Ave.; Portland, OR 97225; 503-297-5317 or 503-297-1760 (fax)

Exam Generator
Formats exams
Macintosh Plus or larger; HyperCard 2.0 or later.

Exam Generator is a stack that allows specific questions to be marked, ordered numerically and exported to a text file for final formatting in a word processor. A user can generate an exam "key" with the correct answers highlighted. Questions are date-stamped to indicate when they were last used. The program also allows multiple choice, true/false or essay questions.
$15 retail
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

ExamWriter
Exam generator
Macintosh 512K or larger.

ExamWriter is a worksheet or exam generator designed to assist teachers in all subject areas. From convenient teacher-designed question banks, questions are easily selected to create exams, quizzes or assignments. Other features include: full Macintosh interface compatibility; quickly create multiple choice, true/false or written answer question types; mix and match the question types and import from text files; full control over written answer question layout and blank or lined spacing; cut and paste graphics from the Clipboard; key word or phrase searching in a bank; global change options; create dynamic math and science questions using up to five different teacher-defined variables in each question; simple question selection; multiple exam printouts with scrambling of distractors and questions options; exam and question preview; and a complete answer key provided with each exam, quiz or assignment created.
$79 U.S. retail
$350 U.S. retail; school site license
Teacher Bytes Software Inc.; 31 Fairview Blvd., #108; St. Albert, Alberta, Canada T8N 3M5; 403-458-0303 or 403-460-9252 (fax)

Expanded Book Toolkit
Lets users create electronic books
Macintosh Plus or larger; 2 MB of RAM (4 MB for System 7.0 or later); hard disk drive; HyperCard 2.1 or later; System 6.0.7 or later.

With the Expanded Book Toolkit, users can create electronic books with the same features found in Voyager's Expanded Books. Users can publish electronic editions of any existing work or create entirely new works. Expanded Books are easily constructed from almost any word processing or page-layout program. Easy and interactive options help users create annotations, indexes, tables of contents and cross references. The finished book will have numerous text highlighting and page marking capabilities, along with wide margins and a "notebook" for reader comments. The powerful built-in search feature lets readers of a book look for "first," "last," "next," "previous" and "all-in-context" occurrences of any word. An Expanded Book can also incorporate text links, special pop-up and reference menus and links to other software. Audio clips, photographs, QuickTime movies, spreadsheets and more — almost anything that's on a Macintosh can be in a book. And computerized "typesetting" makes a volume look smooth, professional and "book like."
$295 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

First Class Gradebook
Grade management program
Macintosh Plus or larger; 1 MB of RAM (2 MB with System 7); hard disk drive; System 6.0.2 or later.

First Class Gradebook is an easy-to-use grade management program with the power and flexibility that teachers require. Unlimited data storage capacity means no more worries about class sizes or numbers of assignments. Teacher-defined grade scales gives teachers flexibility when working with their own specific grading needs. Multiplatform compatibility allows teachers to user their gradebook data on Macintosh and MS-Windows computers, without any additional translation software. First Class Gradebook provides all the gradebook support capabilities that teachers need in one highly flexible and easily expandable program.
$99.95 retail
First Class Systems, Inc.; PO Box 50005; Colorado Springs, CO 80949; 303-470-7990, 800-483-2243 or 719-599-4612 (fax)

Fund Tracker
Fund-raising management system
Macintosh Plus or larger (Macintosh LC III or larger recommended); System 6.0.3 or later.

Fund Tracker is a full-featured fund raising application. Fund Tracker Management Systems have been designed specifically for colleges and universities in coordination with development professionals. Based on the powerful Omnis 7 relational database structure, pertinent information is linked together, giving users instant access to donor biographical information and giving history. Fund Tracker can accommodate virtually an unlimited number of donors. Users will be able to maintain pledge information, including payment frequency for standard and non-standard schedules, track outstanding pledges and print pledge reminders. The built-in tickler file will alert users at start-up of any reminders they have scheduled for the day. Fund Tracker easily interfaces with word processing applications for personalized mailings and is capable of printing labels. In addition, Fund Tracker tracks Campaigns and Campaign progress while allowing the information to easily be exported to Microsoft Excel for graphing and statistical review. Campaign prospect lists can be generated for phone-a-thons or direct mail. There are numerous reports built into Fund Tracker to generate daily, monthly and annual giving information.
$3,995 retail
Call for upgrade and customization information
RDR, Inc.; 740 NW 114th Ave.; Portland, OR 97229; 503-643-2723 or 503-646-2979 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

Grade Quick!
Teacher's grade processor
Macintosh Plus or larger; 1 MB of RAM.

Grade Quick! is an automated grade book that computes and processes data from tests, homework and academic reports. Features include: computes and assigns standard or teacher-defined grades; calculates more than 17 statistics for each test or student (on screen or printed); allows weighting of tests, categories and grading periods; customized printed reports by class or by student; uses number, letter and symbol grading; detailed graphs of grade distribution and student progress; scrolling screens create easy viewing of entire grade book; full screen editor for fast and easy data entry; pop-up note pad for unlimited memos and letters; context-sensitive help and easy-to-use pull-down menus; password protection for private use; and adapts to virtually any grading system.
$79.95 retail
$599.95 retail; network edition
$599.95 and up retail; site license
Compu-Teach, Inc.; 16541 Redmond Way, Ste. 137-C; Redmond, WA 98052; 800-448-3224 or 206-883-9169 (fax)

Grady Profile Portfolio Assessment
Portfolio assessment tool
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.7 or later; HyperCard 2.0; Apple or Farallon microphone and Thunderware LightningScan 400 scanner recommended.

This innovative software package addresses two new classroom trends: more portfolio-based student assessment and more use of multimedia technology. Grady Profile will record reading, writing and math samples, record test scores, student, family, and health information, and more. With Grady Profile users can: collect, organize and store actual student work; share student's work with counselors, administrators, parents and students to assess individual students' changing skill levels; scan actual samples of students' work and record corresponding assessments; incorporate QuickTime videos; use a special section for student self-assessment; and individualize the profile through the use of five custom sections or renaming sections to meet specific needs. Users can integrate evaluation into their curriculum and turn assessment into a proactive agent for learning with Grady Profile.
$150 retail; single copy
$1,200 retail; site license
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

Graphical Analysis (Macintosh Version)
Plots well-labeled graphs of experimental data
Macintosh Plus or larger; System 6.0 or later.

Graphical Analysis is designed for use in high school and college science classes. It plots well-labeled graphs of experimental data entered by students, following accepted scientific graphing conventions. After data is entered, modified versions of the graph (e.g., with the x-axis data squared before plotting) may be quickly drawn to help in the search for the relationship between the variables. Semi-log and log-log graphs can be made. The linear regression "best fit" line can be included on the graph. Data files collected using Vernier Software's data acquisition programs for the Apple II or IBM can be imported (after the use of Apple File Exchange) and then graphed.
$49.95 retail; site license
Vernier Software; 2920 SW 89th Ave.; Portland, OR 97225; 503-297-5317 or 503-297-1760 (fax)

HyperLingua
Basic skills; ESL HyperCard authoring program
Macintosh Plus or larger; 1 MB of RAM; external disk drive (hard disk drive for teacher's stacks); HyperCard 1.2 or later.

HyperLingua is an interactive program composed of a set of linked HyperCard stacks, aimed at adult literacy, ESL and basic skills markets. It allows teachers to create on-screen or printed language drills in a variety of formats — multiple choice, matching and sentence jumbles. The exercises help develop facilities at sentence-level usage and provide practice and reinforcement of recently studied materials across the curriculum. HyperLingua's icons graphically portray operations to aid low-reading-level users. For further support, users may access online notes, hints and tutorials at any time. HyperLingua has a utility stack for detailed record keeping and operation instructions.
$69.95 retail; single user
$199 retail; per academic laboratory
RDA Mind Builders; 35 Crooked Hill Rd., Ste. 200; Commack, NY 11725; 516-499-0053, 800-654-8715 or 516-499-0389 (fax)

HyperTA
CAI authoring system
Macintosh Plus or larger; hard disk drive; HyperCard 1.2.

HyperTA is designed to help instructors create HyperCard-based instructional programs. Instructors use screen templates and linked buttons to create programs for computer-assisted instruction. Generous online help is provided. A number of new features have been added, including one that simplifies the construction of flash cards. HyperTA includes an illustrated manual, as well as excellent online help.
$49.95 retail
Chariot Software Group; 3659 India St., Ste. 100; San Diego, CA 92103; 619-298-0202, 800-242-7468 or 619-491-0021 (fax)

IconAuthor's Presentation System For The Macintosh
Enables multimedia applications created with IconAuthor to run on a Macintosh
Macintosh LC II or larger; 4 MB of RAM; 80 MB hard disk drive; color monitor; System 7.0 or later.

IconAuthor's Presentation System for the Macintosh enables multimedia applications created with IconAuthor in either the Microsoft Windows or OSF/Motif environment to run on a Macintosh. IconAuthor's Presentation System provides users who are developing commercial titles the ability to develop for multiple platforms simultaneously. It affords those supporting end users in a heterogeneous computing environment the ability to deliver on any installed platform. IconAuthor allows professional multimedia developers to create advanced, interactive applications combining text, graphics, animation, audio and full-motion digital and analog video. Its icon-based, visual programming environment allows non-programmers to create applications and titles for computer-based training and learning, performance support systems, simulations, self-service terminals and interactive product presentations.
$50 retail
AimTech Corp.; 20 Trafalgar Sq., #300; Nashua, NH 03063; 603-883-0220, 800-289-2884 or 603-883-5582 (fax)

InspectionTracker
Keeps tabs on inspection copies
Macintosh Plus or larger.

InspectionTracker is a simple database solution to keeping tabs on all those inspection copies. Users monitor what is outstanding, pending, returned, purchased or adopted with all relevant details immediately on hand. It includes search, sort and select features, online help menu and to-do list reporting.
$25 retail
$100 retail; site license
The Flexible Learning Co.; 15 Longpoles Rd.; Cranleigh, Surrey, England GU6 7JZ; (0) 483-277020

Instructor's ToolBox 1.3
Educational tools
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; HyperCard 2.0 or later; System 6.0.7 or later.

Instructor's ToolBox, which consists of the Performance Measurement and Presentation Management modules, are educator tools for exam generation and classroom presentation. By simple pointing and clicking, Performance Measurement allows users to choose what questions they want and installs them into an exam. Features include: eight question types, ease of mixing graphics and text, easily editable, add user-generated questions and graphics, modify any existing questions and graphics and is simple to use. Performance Measurement includes a custom printing feature that allows users to print exams from within HyperCard. The Presentation Management module is designed for use during lectures and presentations, and as a source of graphics for exams. Users can also add their own graphics or modify any existing ones in the modules. Features include: templates for customizing lecture stacks, graphics for exam without resizing or scaling, current time display either on or off, remember last graphic shown and simple to use.
$89 retail
Bliss Interactive Technologies; 6034 W. Courtyard Dr., Ste. 305; Austin, TX 78730; 512-338-2458

■ **J&S Gradebook**
Grade management system
Macintosh Plus or larger; System 4.1 or later.

The J&S Gradebook, a grade management system, allows teachers to enter an almost unlimited number of students and grades per class. Grades can be weighted and extra credit can be added. Features include: an attendance module that records day-to-day attendance; a button bar that enables teachers to rapidly go from window to window; up to eight student information fields, such as phone number and address; design and print student progress reports that can contain attendance, missed grades, subject averages, individualized comments and more; a wide variety of grade reports, such as students missing grades, grade book pages to replace the written grade book, report card grades, progress reports and histograms; and it is easy to make any type of corrections. It is System 7 compatible.
$74.50 retail; free demo is available
J&S Software Educational Programs, Inc.; 14 Maple St.; Port Washington, NY 11050; 516-767-0393, 800-767-8696 or 516-767-3804 (fax)

LanguageWriter
Allows instructors to combine the written and spoken word
Macintosh Plus or larger; System 6.0.7 or later.

LanguageWriter is a multimedia program that combines the written and spoken word. Users can hear, as well as see the principle parts of text that is supplied by the instructor and can respond with sound or text. LanguageWriter has been designed to offer a variety of teaching and learning styles in language classes using a combination of sound and text. Pedagogically the program provides teachers with a generic, flexible software tool for preparing content materials of their choice in both media. In LanguageWriter, instructors can record their own sound files, relate pieces of the sound to written text and save the results in a lesson format. The ability of the teacher to include recorded conversational materials along with the written version of texts makes LanguageWriter useful for students of foreign languages and English as a second language, as well as for bilingual and dialect-disadvantaged learners.
$349 retail
RDA Mind Builders; 35 Crooked Hill Rd., Ste. 200; Commack, NY 11725; 516-499-0053, 800-654-8715 or 516-499-0389 (fax)

Learner Profile
Observational assessment tool; grades K to 8
Macintosh Plus or larger; 4 MB of RAM (5 MB recommended); hard disk drive; System 7.0 or later (System 7.1 recommended).

Now teachers and their students can chart their progress easily and effectively. With this unique assessment tool, teachers can plan, organize and review observations about students' progress and the products they produce. Learner Profile combines the Macintosh computer, the Apple Newton and bar-code reader to make observational assessment a practical tool for the classroom. Using observations to assess progress is an on-going challenge that occurs at every level. Recording and retrieving those observations in a reliable manner is often difficult. Learner Profile answers the challenge by recording and filing observations in an organized database. By using a portable bar-code reader, teachers can instantly record what they see happening in their classroom. Information is automatically loaded into a computer database under each student's name. Later, the information can be printed, analyzed and conveniently utilized to aid in assessment. When it is time for parent conferences, teachers will have records to back up their comments. When the principal wants to know how someone is doing, teachers will have the information at their fingertips. Most importantly, teachers can plan tomorrow's activities by reviewing the accomplishments of today. And at year's end, teachers will have accurate records and thorough reports to pass on with the learner.
$299 retail; Macintosh software

$99 retail; Newton software
$464 retail; bar-code hardware
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

The Learning Processor For Macintosh
Allows users to create interactive, multimedia training courses
Macintosh LC or larger; 4 MB of RAM (8 MB recommended for development); video capture board and software required for video development; System 7.0 or later.

The Learning Processor is an interactive, multimedia development and delivery system for computer-based training (CAI authoring tool). The software allows anyone to quickly and easily create learning and training on most subjects. No authoring or programming is required. Developing curriculum is as simple as typing in the material to be learned. Users can also include sound, graphics, animation and full-motion video. Video clips can be used in the training and learning process. The Learning Processor creates its own presentation screens, automatically develops questions (multiple choice, fill in the blank and inductive reasoning), tracks right and wrong responses and automatically adjusts the curriculum to each student's immediate learning needs. The Learning Processor automatically records scores that can be printed or exported to a spreadsheet. It even prints hard-copy exams.
$995 retail
Pinnacle Software Corp.; 954 East 7145 South, Ste. B205; Salt Lake City, UT 84047; 801-562-5900 or 801-562-4418 (fax)

Live Writer
Real-time monitoring and editing
Networked Macintoshes.

Live Writer allows instructors, as server administrators, to monitor student papers in progress, rather than grade as products. It gives instructors the capability to log on to a student's computer for live interactive editing by means of a message window. Instructors can "freeze" a work in progress and write comments that appear simultaneously on a student's screen. Students can reply, establishing a "real-time" instructional dialog. Teachers actually edit the student text if necessary.
$349 retail; per commercial network
$249 retail; per academic laboratory
RDA Mind Builders; 35 Crooked Hill Rd., Ste. 200; Commack, NY 11725; 516-499-0053, 800-654-8715 or 516-499-0389 (fax)

LXR•Test 5.0
Complete testing system, including test generation, scoring and analysis
Macintosh Plus or larger.

LXR•Test is an integrated family of testing software that includes comprehensive question banking and test generation capabilities with optional automatic test scoring and item analysis features. All types of questions may be entered with full text stylizing, graphics placement and QuickTime movies. Questions are primarily classified by an objective and may be additionally classified by type, difficulty, topic or other. Tests may be rapidly constructed by specifying the number of questions to be randomly chosen from those that meet a user's selection criteria. Tests may be reprinted with detailed solutions and references following each questions. LXR•Test is available in three "editions": Personal, Professional and Scoring. Any edition may be ordered under single or multiuser (site) licensing terms. All editions support full character styling (tabular alignment, super/subscripting, etc.), precision graphics placement (even over text), unlimited bank size, multiple headers/footers, page break controls, variable item weighting, computed administration times, student response forms, instant question rearrangement, both alternative and question scrambling, question import/export and more. Additional features are available, depending on which edition is ordered: multicolumn page layout, student mastery requirements definition and reporting, linking of question groups, automatic scoring, item analysis and more. Optional "add-on" modules provide for interactive testing and spell checking.
$199 retail; personal edition
$499 retail; professional edition
$899 retail; scoring edition
free; preview disk
Logic eXtension Resources; 7168 Archibald Ave., Ste. 240; Rancho Cucamonga, CA 91701; 909-980-0046 or 909-987-8706 (fax)

Mac I.E.P. Generator
Generates special education students' Individualized Education Plans
Macintosh Plus or larger; Microsoft Word 4.0 or 5.0.

Mac I.E.P. Generator is a customized Word 4.0 glossary that generates special education students' Individualized Education Plans. It contains more than 1,000 educational goals and objectives in the following areas: reading, mathematics, writing, social/emotional, vocational, speech, language, gross motor, fine motor and adaptive behavior. Each annual goal and objective is coded in the glossary for quick access. There is an unlimited capacity to create additional goals and objectives and to add them to the glossary. Mac I.E.P. Generator includes several different templates for the Basic Plan, which speeds up the process of generating the Individualized Education Plan.
$199 retail
B.H.C. Publishing; 174 Stephensburg Rd.; Port Murray, NJ 07865; 800-769-6689

Mac School V3.2
Student information system for school administration
Macintosh SE/30 or II family (dependent on school size and number of nodes on the network).

Mac School is a single or multiuser school and district administration system for public and private schools. Modules are available individually or as an integrated solution: Student Demographics, Scheduling, Attendance, Marks, Report Cards and Transcripts, Library Cataloging and Circulation, Health and Immunization, Guidance, Fund Accounting and District Module. Data is entered only once and is then available to all Mac School Modules. All data is protected by a multilevel password system. Optical scanners can read in students' attendance, grades and course requests. An import/export utility allows data to be transferred to/from other mini, mainframe or micro platforms. Immediate and easy access to all of a student's demographic, scheduling, report card and attendance data is provided by the Query module. Flexible reporting is an important feature of the Mac School system. In addition to the wide variety of built-in reports, the report generator allows users to control form and content of school-designed reports, including report cards, student transcripts, disciplinary reports, honor rolls, attendance summaries, library reports, letters and mailing labels. All reports can be sent to the screen or printer.

The Mac School Teacher Workstation on the teacher's desk creates truly school-wide administration. It integrates and automates teachers' administrative tasks, including grade calculations and reporting, anecdotal observations of student progress, curriculum planning, seating plans, attendance and much more.

CSL Profiles In Hand uses revolutionary Apple Newton MessagePad technology to extend the teacher desktop. Using a pen-based computer, teachers record observations of student progress immediately, wherever they are working with students: the classroom, the library, the playing field and on field trips.

The District Module compiles individual schools' data at the district level, allowing comprehensive analysis and flexible reporting.
$3,600 retail; single user
$4,700 retail; multiuser (modules can be purchased separately; district site licenses available)
$3,000 to $15,000 retail; District Student Management (price depends on number of schools in district tied to the system)
Chancery Software, Ltd.; 4170 Still Creek Dr., Ste. 450; Burnaby, BC, Canada V5C 6C6; 604-294-1233, 800-999-9931 (orders) or 604-294-2225 (fax)

MacCare
Administrative system for child care centers and preschools
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; printer.

MacCare is a complete administrative system for the management of child care centers and preschools. The system is designed to be used by directors and administrators with no previous computer experience. The system's Base Module provides complete information management, including child and family data, such as immunizations, emergency contacts, authorized pick ups, scheduling and custody information. The system offers more than 70 standard reports to meet the wide range of information needs of centers. Accounts Receivable functionality includes auto-posting of contracted tuitions, printing of statements and receipts, a maintenance of ledger cards with complete payment and charge history.
$1,295 retail
$25 retail; demo
SofterWare; 540 Pennsylvania Ave., #200; Ft. Washington, PA 19034; 215-628-0400, 800-220-8111 or 215-628-0585 (fax)

MacLang 4.5
Multilanguage authoring environment
Macintosh Plus or larger; System 4.2; Finder 6.0.

MacLang is a computer-assisted language learning authoring program. It is a versatile environment that allows language teachers to prepare interactive lessons specifically tailored to their courses and the needs of their students. MacLang supports the development of language tutorials for English alone, or in combination with French, Spanish, Italian, German, Greek, Russian (Soviet or phonetic keyboards), Turkish, Romanian, Portuguese and Japanese. Each lesson may have up to five formats, including vocabulary drills, fill-in-the-blank exercises, multiple-choice questions, paragraphs (each may have questions supporting up to 19 blanks), and jumbles (scrambled sentences in which students rearrange up to 15 words to create a logical sentence). MacLang contains a videodisc interface. It allows multiformat exercises, branching and the possibility of creating story trees.
$129 retail; single user
$349 retail; per academic laboratory
RDA Mind Builders; 35 Crooked Hill Rd., Ste. 200; Commack, NY 11725; 516-499-0053, 800-654-8715 or 516-499-0389 (fax)

MacLang V4.5
Flexible authoring system
Macintosh 512K or larger; 800K disk drive.

MacLang is a flexible authoring system that allows teachers to easily create computer lessons. It can be used with English, French, Spanish, Italian, German, Greek, Russian, Portuguese and Japanese; the different exercise formats include vocabulary equivalency drills, fill in the blanks, multiple choice questions, reading comprehension, scrambled sentences and cloze (exercises). Courseware prepared with MacLang offers immediate feedback, error correction, individual learning experience and positive reinforcement. The 800K edition includes conditional branching exercises, character set for Pinyin Chinese and the capability to interface with a videodisc player.
$89.95 retail
Gessler Educational Software; 55 W. 13th St.; New York, NY 10011; 212-627-0099 or 212-627-5948 (fax)

MacLunchroom V6.12
School hot lunch record-keeping program
Macintosh Plus or larger; 2 MB of RAM recommended; 20 MB hard disk drive; ImageWriter.

MacLunchroom is designed to fully automate a school's hot lunchroom program. The system prints bar codes for each student and uses these bar codes as lunch cards. The program can automatically assign ID numbers for each student, or they can be manually assigned. The bar code contains only the ID number, therefore free/reduced lunch information is kept confidential. Parent letters are printed whenever a parent's balance reaches an amount designated by a user. These letters contain the home room number of a student for easier delivery. Numerous reports are available to provide all information required for federal and state reporting, as well as the reverification selection procedure to re-qualify free/reduced parents. New features in version 6.0 include: unlimited number of lunch types, milk types and breakfast types; allows use of social security number for student ID; auto payment in line where applicable; and numerous additional reports for breakdown of free/reduced lunches by room, grade, etc. The program is System 7 compatible.
$795 retail; single school

These Products Available Through Bottom Line Distribution
1-800-347-1923

$595 each retail; additional schools in the same school district
Blue Earth School; 6th & Galbraith; Blue Earth, MN 56013; 507-526-3215

MacMarks
Marks management program
Macintosh Plus or larger.

MacMarks is a free-standing marks management program that provides teachers with a tool to record marks, calculate grades and provide customized individual and classroom reports. For schools with optical character readers, MacMark has the unique capability to interface with the Discus Data CR-510, Chatsworth OMR-1000 and OMR-2000 to produce machine scored grades with on-screen editing and an item analysis for multiple choice tests. Features include: single or multiple window operation; full control over assignment and window weightings; raw scores or percents; file import function, so that class lists need only by typed once; a teacher comment selection file that can be easily customized; and teacher-controlled options and reporting flexibility to produce excellent individual student report cards, class summary reports, detailed class reports, blank marksheets and activity titles.
$69 U.S. retail
$250 U.S. retail; school site license
Discus Data Systems Inc.; 31 Fairview Blvd., #108; St. Albert, Alberta, Canada T8N 3M5; 403-458-0303 or 403-460-9252 (fax)

MacMotion
Allows students to study motion and force
Macintosh Plus or larger; System 6.0 or later.

MacMotion allows students to study motion and force with Macintosh computers. It allows up to four graphs to be plotted in real time as the sensors are being read: distance, velocity, acceleration and force. Numerical results can also be displayed, saved or transferred to another application. MacMotion can draw a best-fit line on any of the graphs. The Ultrasonic Motion Detector and Force Probe connect to the Universal Lab Interface, which interprets the data and relays it to the Macintosh via the modem port. Universal Lab Interface, Motion Detector and Force Probe are sold separately.
$25 retail; includes site license
Vernier Software; 2920 SW 89th Ave.; Portland, OR 97225; 503-297-5317 or 503-297-1760 (fax)

MacSys Qaujisaut System
School board site management system
Server requires Macintosh SE/30 or larger; 8 MB of RAM; 80 MB hard disk drive. Client requires Macintosh Plus or larger.

The MacSys Qaujisaut system is a 4th Dimension-based client/server site management and financial reporting tool that features extreme ease of use. This system is specifically tailored for the needs of schools (clients) and Board offices (server). The Qaujisaut system is intended to operate in tandem with established accounting systems, enhancing their use, producing supplemental reports and providing operating features not available with conventional systems. Qaujisaut greatly simplifies all administration and school accounting procedures. The Qaujisaut system consists of seven integrated modules. These are the Fund Maintenance, Purchase Order, Time Sheet, Leave Form, Local Funds, Asset and Setup modules. One key feature of the system is that system-level controls can be defined centrally to help regulate site operations. Data transfer between the schools and the Board office (server) can be initiated manually or on a predefined schedule. The system has multilingual capabilities. Customization is available as required.
$28,500 U.S. retail; 10-site system
MacSys Inc.; 362 Terry Fox Dr., Ste. 200; Kanata, Ontario, Canada K2K 2P5; 613-591-9200 or 613-591-8089 (fax)

MacTemp
Enables the Macintosh to measure temperatures
Macintosh Plus or larger; System 6.0 or later.

MacTemp enables the Macintosh to measure temperatures. Graphs of temperature vs. time are made as the experiment proceeds. The data collected can be displayed numerically, saved or transferred to another application. Two temperature probes can be used. The readings may be taken over short periods of time or spread out over many days. The temperature probes connect to the Universal Lab Interface, which interprets the data and relays it to the Macintosh via the modem port. Universal Lab Interface and temperature probes are sold separately.
$25 retail; includes site license
Vernier Software; 2920 SW 89th Ave.; Portland, OR 97225; 503-297-5317 or 503-297-1760 (fax)

MacWISC-R
Assists in analyzing the Wechsler Intelligence Scale for Children-Revised
Macintosh Plus or larger; Microsoft Excel 1.5 or later.

MacWISC-R assists school psychologists in analyzing and generating hypotheses about a student's performance on the Wechsler Intelligence Scale for Children-Revised. The program automatically computes the underlying constructs and the student's age and analyzes the subtests. Once the scaled scores are entered, the program will automatically look up the student's Verbal IQ score, Performance IQ score and Full Scale IQ score, as well as provide the psychologist with percentile ranks and classifications for the individual subtest and Scale scores. The program also allows users to automatically graph the student's scores using custom pull-down menus. A custom help system is included.
$49.95 retail
B.H.C. Publishing; 174 Stephensburg Rd.; Port Murray, NJ 07865; 800-769-6689

MakeTest
Test-generation program
Macintosh Plus or larger; 1 MB of RAM; two 800K disk drives or hard disk drive; System 6.0:2 or later.

MakeTest is a test-generation program that conforms to and takes full advantage of standard Macintosh user interface features. Users can enter multiple-choice, true-false, fill-in and free-form questions; add, delete and edit questions; choose font, size, bold, italic, underlining, subscript or superscript formatting; specify the number of lines to be left blank after the question is printed; rank each question's difficulty level; create and assign a topic to each question; write and store notes about each question; paste in graphics and equations from the Clipboard; use a browser to select previously entered questions for viewing or editing; and more.
$149 retail; education discounts and site licenses available
Mountain Lake Software, Inc.; 298 4th Ave., #401; San Francisco, CA 94118; 415-752-6515, 800-669-6574 or 415-752-6506 (fax)

MediaText
Create multimedia documents; grades 7 to 12
Macintosh SE or larger; 2 MB of RAM (4 MB if using QuickTime or System 7.0).

MediaText is a revolutionary tool that lets teachers and students easily create multimedia documents. This enhanced word processor allows users to link to a variety of other media: video clips, QuickTime movies, graphics, sound clips, animation and more. MediaText is simple and intuitive — nothing in it takes more than a few steps to achieve — but it produces amazingly sophisticated results.
$99 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

MicroGrade 3.0
Grade keeping program
Macintosh Plus or larger; printer recommended.

MicroGrade is a full-featured grade keeping program that is flexible enough to accommodate teacher's individual grading systems regardless of subject or grade level. Features include: add, change or edit assignments, rosters and/or grading standards any time; average grades from multiple grading periods for final grade; grade by weighted percent or total points; define personalize grade cut-offs and grading scales; enter raw scores or letter grades; record make-up, extra credit and changed scores; drop low scores; mark assignments late, incomplete or excused; and curve assignments and use rounding. Reports include: customized progress reports, final and assignment grades, rosters, missing assignments, worksheets and statistics. Each class can contain a maximum of 400 students with 120 individual assignments. It includes a new attendance module.
$95 retail
Chariot Software Group; 3659 India St., Ste. 100; San Diego, CA 92103; 619-298-0202, 800-242-7468 or 619-491-0021 (fax)

MicroTest III
Test generator
Macintosh Plus or larger; printer recommended.

With MicroTest III, educators and trainers can develop question banks and create printed exams. Question banks are clearly organized and support multiple choice, matching, true/false and "free form" questions. Users can enter questions directly or import them from text files. Questions can be added, edited or deleted at any time. Unlimited question length includes graphics, multiple fonts, styles, etc. The database can contain up to 35,000 questions per bank. Creating exams is as easy as selecting questions and entering instructions. Questions can be selected as they are viewed on screen or Auto Selection will randomly select questions based on a user's criteria, including question type, key word and difficulty level. MicroTest will not split questions between pages and prints answer keys for each test version. Tests can be exported to ASCII.
$139 retail
Chariot Software Group; 3659 India St., Ste. 100; San Diego, CA 92103; 619-298-0202, 800-242-7468 or 619-491-0021 (fax)

MMS (Modular Management System For Schools)
School administration system
Macintosh Plus or larger.

The Modular Management System for Schools (MMS) is a school administration software system designed to handle all student record keeping and course scheduling needs. The MMS is a totally integrated modular system built around a central Student Master File. Additional modules handle Student Scheduling, Grade, Attendance and Discipline reporting, as well as Tuition/Fee Accounting. The MMS:Student Master File System must be present before any of the other modules can be used.

The MMS:Student Master File System allows users to record student biographical information and sort/display this information in an unlimited number of ways. The MMS:Attendance Reporting System allows users to record daily and/or period/class attendance information and print an extensive set of reports, including daily attendance bulletins, registers and statistical reports in a format acceptable by the State Department of Education. The MMS:Student Scheduling System allows users to generate a working course master schedule using the Master Schedule Builder and optimally schedule students using the highly efficient Omega Loader. A complete set of final reports is also available, including class lists and student, teacher and room schedules. The MMS:Grade Reporting System allows users to record letter/numeric grades, comments and credit data, and print an extensive set of reports, including report cards, transcripts, honor roll and class rank lists. The MMS:Tuition/Fee Accounting System allows users to record student fees/payments, and generate statements and aged account reports. The MMS:Discipline Reporting System maintains a record of each student's behavior for the entire school year.
$499 retail; MMS:Student Master File System
$549 retail; MMS:Attendance Reporting System
$1,399 retail; MMS:Student Scheduling System
$1,199 retail; MMS:Grade Reporting System
$549 retail; MMS:Tuition/Fee Accounting System
$449 retail; MMS:Discipline Reporting System
Computer Resources, Inc.; 94 Route 125; PO Box 60; Barrington, NH 03825; 603-664-5811 or 603-664-5864 (fax)

Multiple Choice
Test generation software
Macintosh Plus or larger; HyperCard 2.0 or later.

Multiple Choice is HyperCard-based software that permits the creation of stand-alone examinations. These exams may be used by students as self-tests or as actual exams, as each exam stores the grade obtained by each student. Each test may be designed using any combination of three standardized question formats: true/false, multiple choice or K-type. Tests may also

include any desired degree of feedback, including explanations regarding each question.
$89 retail
Symposia, Inc.; 4 Canal Park, Ste. 612; Cambridge, MA 02141; 617-252-0628

PEAK — Personal Educational Authoring Kit
Teacher-centered multimedia authoring tool
Macintosh II or larger; 4 MB of RAM; HyperCard 2.1 or greater; 8-bit color graphics card; 12- or 13-inch color monitor; hard disk drive.

PEAK (Personal Educational Authoring Kit), a teacher-centered multimedia authoring tool, is designed to create customized, interactive lessons and presentations. PEAK is literally a field trip, microscope and filmstrip all rolled into one. A user becomes the "tour guide," encouraging students to learn and explore. This HyperCard-based authoring system supports high-resolution color images, text, narration and sound effects. PEAK software also takes advantage of the latest multimedia tools, including full-motion video and animation. Training for PEAK software is offered as part of the site license. Based on a unique "train the trainer" concept, training is designed to encourage the sharing of courseware.
$1,495 retail; includes eight hours of training
$149 retail; single-user version, without training
Digital Imaging Associates, Inc.; An Affiliate of Major Educational Resources Corp.; 10153 York Rd., Ste. 107; Hunt Valley, MD 21030; 410-628-9200, 800-989-5353 or 410-628-0915 (fax)

PlayMaker II
Drawing tool for coaches to create play books
Macintosh Plus or larger; System 4.1 or later.

PlayMaker II is a specialized drawing tool used by football, basketball, hockey and soccer coaches to create play books. It includes unique features that enable a coach to draw plays faster than with generalized drawing programs. These features include several predefined symbols for players and multi-segment line tools where any line segment can be an arc. Lines can be plain or dashed and end with an arrowhead or blocking symbol. Football or soccer fields and basketball or hockey courts are drawn to scale automatically. Instructions for players can be added to a drawing with the usual Macintosh fonts, sizes and styles. A coach can create formations to speed drawing of similar plays. QuickTime movies can be attached to a play book page. PlayMaker II can also flip and reverse plays about the center to quickly create left and right versions of a play. A diskette-based demonstration movie of PlayMaker II is available on request.
$159 retail
B.W. Software; PO Box 15163; Ann Arbor, MI 48106; 313-769-8587

PowerGrade
Gradebook solution
Macintosh Plus or larger; 1 MB of RAM.

PowerGrade offers easy recording and very flexible reporting of scores. Features include: full on-screen previewing of all reports, completely user-definable gradescale, ability to record letter grades as well as numerical scores, drop scores function, use of grading periods for reporting, user-definable comments in reports that can use "wildcards" to personalize reports, full attendance keeping capability and much more. Scores can be recorded using a gradebook spreadsheet or by student record. Final grades for students and assignment averages are always automatically kept up to date. Any class information — student names, scores, assignments, categories, weighting, preferences, etc. — can be easily modified at any time throughout the school year. PowerGrade handles classes up to 1,000 students and 128 assignments. It is System 7 compatible and is backed by a 30-day unconditional money-back guarantee.
$99 retail; quantity discounts and economical school and district site licenses are available
Loma Development Corp.; 4 Main St.; Los Altos, CA 94022; 415-949-4800 or 800-336-6644

Precision Free/Reduced Lunch
Processes applications for free/reduced meals
Macintosh Plus or larger; hard disk drive; ImageWriter.

Precision Free/Reduced Lunch (PFRL) is designed to speed processing time of free and reduced lunch applications. It will process all applications, providing for the parent income to be entered in a weekly, monthly or yearly figure, instantly determining meal eligibility for students. It also prints letters to parents regarding a child's eligibility, prints either random or focused income verification letters and prints mailing labels and Rolodex cards.
$995 retail
Precision Computer Systems; 1130 E. University Dr., Ste. 205; Tempe, AZ 85281; 602-829-3131 or 602-829-3133 (fax)

Precision Inventory Management System
Inventory and fixed asset management system for public and private school districts
Macintosh Plus or larger; hard disk drive.

Precision Inventory Management System (PIMS) provides a fast, comprehensive and organized method for maintaining current records relating to the management of inventory and fixed asset operations. It provides for the tracking of inventory items for an entire fiscal school year.
$995 retail
Precision Computer Systems; 1130 E. University Dr., Ste. 205; Tempe, AZ 85281; 602-829-3131 or 602-829-3133 (fax)

Precision School Management System
Student record keeping for elementary and secondary schools
Macintosh Plus or larger; hard disk drive; ImageWriter.

Precision School Management System (PSMS) provides a comprehensive database for keeping records of students, classes and personnel for K-12 schools. Records include class schedules, Federal Free/Reduced Lunch programs and student attendance. It allows users to select any number of criteria for reports such as: student demographics; grading standards; health records; standardized testing scores; student eligibility for free or reduced meals; and student class scheduling for K-8 and K-12 school districts.
$1,995 retail
Precision Computer Systems; 1130 E. University Dr., Ste. 205; Tempe, AZ 85281; 602-829-3131 or 602-829-3133 (fax)

Private Advantage
Child care center and preschool management
Macintosh Classic or larger; System 6.0.4 or later.

Private Advantage is a program specifically designed for the management of child care centers and preschools. It has a powerful, easy-to-use interface. The program features client and staff record keeping, scheduling, attendance, waiting list, activity scheduling, accounts receivable, projections, meal management, transportation scheduling, prospect management, reports, labels and much more.
$595 and up retail
Mount Taylor Programs; 216 College Ave. Ste. D; Santa Rosa, CA 95404; 707-542-1230, 800-238-7015 or 707-542-1521 (fax)

QuizMaker
Authoring software
Macintosh II or larger; 2 MB of RAM; System 6.0 or later.

QuizMaker authoring software transforms flash cards, multiple choice exams and fill-in-the-blank exams into Macintosh applications. No programming or scripting is necessary and it is easy for both students and instructors to use. User quizzes created using QuizMaker provide recognition for "new high scores," explanations for answers not understood, searches of quiz questions, random or sequential questions and emphasis on questions missed most frequently. QuizMaker authors can configure quizzes with each of these features turned on or off. Each quiz is self-marking and can be distributed without worrying about copyright restrictions (only user quizzes may be distributed without restriction). User quizzes are stand-alone applications that do not require the purchase of QuizMaker authoring software to run.
$115 retail
$300 retail; 10-user pack
Site licenses available
Doug Caldwell; 190 Dore Crescent; Saskatoon, Saskatchewan, Canada S7K 4X7; 306-966-5026 or 306-966-8898 (fax)

■ **Scholastic's Electronic Portfolio**
Assists teachers in the design and management of performance-based portfolios
Macintosh LC or larger; 4 MB of RAM; 40 MB hard disk drive; 640 by 480 by 256 colors monitor; System 7.0 or later; CD-ROM drive.

The thinking behind how users deliver and assess learning is being changed by educational reform and the integration of technology into the classroom. Scholastic's Electronic Portfolio is a multimedia productivity tool that assists teachers in both the design and management of performance-based portfolios over time. Electronic Portfolio provides schools with an easy-to-use organizational system for the creation, management and presentation of electronic multimedia student portfolios. The program enables students to build portfolios using scanned images, sounds, full-motion video, graphics and textual data. Electronic Portfolio is flexible enough to build portfolios spanning the K-12 grade levels that can be linked to any assessment methods users may want to use.
Call for pricing
Scholastic Software; 555 Broadway; New York, NY 10012; 800-541-5513 or 314-635-5881 (fax)

School Lunch Mac
Point-of-sale lunch accounting system
Macintosh Plus or larger; hard disk drive recommended.

School Lunch Mac is a fully automated point-of-sale lunch accounting system. This program keeps schools in compliance with federal regulations prohibiting overt identification of free and reduced qualifying students while accurately accounting for all lunch moneys. Breakfast and lunch can be handled independently. A la carte items can be sold in addition to a standard meal or extra milk. SLM will notify the operator when a card has been accessed more than once in the same day. Warning messages will notify the operator when the student is out of money or within a user-defined limit. The program prints all reports, bar codes, monthly summaries and acuclaim information. A district accounting disk is available for combining information from schools in the same district for a comprehensive report.
$595 retail; single school (district pricing available)
$399 retail; optional bar-code scanners
Free demo disk and brochure are available
Rodlan Administrative Software; 755 North 700 East; Logan, UT 84321; 801-752-9586 or 801-752-3983 (fax)

School Scheduler
Creates master schedules
Macintosh Plus or larger; System 4.1 or later.

School Scheduler can help high school administrators create a better master schedule without waiting for their mainframe. Administrators create a master schedule for students, courses, classes and limited resources (teachers and rooms) with the friendly Macintosh user interface. School Scheduler's school year consists of many periods per day and one or more terms per year. An administrator can add classes to the master schedule, assign teachers and rooms, and School Scheduler will schedule students' course requests accordingly. Analysis functions include course request totals, teacher and room utilization and "New Class Info." "New Class Info" determines which period to add a new class in and satisfy the most course requests while using available teachers and rooms (instead of using a conflict matrix). School Scheduler can also create classes using course request totals and "New Class Info." Several reports are generated as tabbed text files. An option for student grades is also available.
$895 retail
B.W. Software; PO Box 15163; Ann Arbor, MI 48106; 313-769-8587

School Work Request & Preventive Maintenance
Planning and control of maintenance activity
Macintosh II or larger.

This program has been designed specifically for school districts and provides a cost-effective, practical solution for the planning and control of their maintenance activity. The program provides extensive work request tracking and cost analysis by school or building. The Work Request Module tracks the status of work requests, in-house and vendor work assignments,

These Products Available Through Bottom Line Distribution
1-800-347-1923

start and completion dates, in-house work hours by trade codes and vendor costs. Requisitions can be automatically created from work order information, eliminating duplicate data entry. The Preventive Maintenance Module is available separately and allows users to schedule and track maintenance on equipment by calendar or machine/vehicle usage. Historical information can be retained for quick analysis using the ad hoc reporting screens. Multiuser capability is available.
$1,995 retail; Work Request Module
$995 retail; Preventive Maintenance Module
$995 retail; Fleet Management
$1,995 retail; Inventory Management
$995 retail; Scheduling Module
AD/C Solutions; 1445 Grant Rd.; Los Altos, CA 94024; 415-969-3979

SchoolWorks
School application templates
Macintosh Plus or larger; Microsoft Works.

SchoolWorks has spreadsheet, database and word processing files for keeping gradebooks, taking book inventories, recording book reports, writing tests, printing progress or deficiency reports, forecasting department expenditures and many other applications. For the school administrator, there are files that record messages and phone use, keep track of attendance, organize evaluations, print out teacher information, register classroom use, re-work daily schedules, perform bookkeeping chores and store student data. Pre-programmed application templates include: Athletic Director, Teacher, Office, Media Center, Letter Files and Department Head.
$170 retail; includes Athletic Director, Teacher and Office
$75 each retail; Athletic Director, Teacher, Office, Media Center, Letter Files, Department Head
All include free site license
K-12 MicroMedia Publishing, Inc.; 6 Arrow Rd.; Ramsey, NJ 07446; 201-825-8888, 800-292-1997 or 201-825-0582 (fax)

SIMS V2.1
Student information management system
Macintosh LC 575 or larger; 4 MB of RAM; hard disk drive; printer.

SIMS, Student Information Management System, is a complete information system designed for managing student information and to assist schools in making wise decisions. SIMS provides a system for managing the master schedule, student data, grades, attendance and discipline incident records. SIMS allows scheduling of students as individuals or groups while maintaining even class loads. It is multiterm, allowing schools to do future course planning for students into future terms. There are many flexible reports, including: multiple formats for report cards, analysis of course requests, student credits and goals, summary and statistical reporting of attendance, grades, enrollment and student body profiles and more. There are multiple security levels.
$1,799 retail; single user
$2,799 retail; multiuser (one to three users)
$3,299 retail; multiuser (four to 10 users)
$4,299 retail; multiuser (11 to 64 users)
(includes six months telephone support and software updates)
$99 per person retail; on-site training (minimum $300 per day plus travel and lodging expenses)
$30 retail; demo
Computer Solutions; 7044 Mill Ct. SE; Olympia, WA 98503; 206-456-1888

Sound
Allows users to study sound
Macintosh Plus or larger; System 6.0 or later.

Sound allows users to study sound with the Macintosh. It displays sound waveforms and makes a number of interesting labs and demonstrations possible, including: the differences between the waveforms of various musical instruments, voice prints, beats, harmonics and overtones. It even does a Fourier analysis of the sound. A Microphone/Amplifier connects to the Universal Lab Interface, which interprets the data and relays it to the Macintosh via the modem port. Universal Lab Interface and Microphone/Amplifier are sold separately.
$25 retail; includes site license
Vernier Software; 2920 SW 89th Ave.; Portland, OR 97225; 503-297-5317 or 503-297-1760 (fax)

Stella II 3.0 And Stella II Authoring Version
Model building and simulation package
Macintosh Plus or larger; 42 MB of RAM; hard disk drive; System 6.0.4 or later.

Stella II is a powerful and flexible package for building and simulating models of dynamic systems and processes. Using a simple set of building block icons, users can construct a map of a process and how it works. The diagram automatically generates equations, used for simulation, allowing users to bring the map "to life." Output can be viewed as graphs, tables, diagram animation or QuickTime movies. Multirun sensitivity analyses allow users to perform a variety of what-if analyses as they (or students) explore the interdependencies of the system under scrutiny.

The Authoring Version of Stella II allows users to create full-fledged multimedia Learning Environments with which users can interact without needing to be familiar with underlying model detail. Whether used by students or professors, in the classroom or in research, Stella II and the Stella II Authoring Version are ideal tools for building an understanding of dynamic systems. Stella II supports QuickTime, as well as Publish & Subscribe.
$695 retail
$949 retail; Authoring Version
Academic discounts available
High Performance Systems, Inc.; 45 Lyme Rd., Ste. 300; Hanover, NH 03755; 603-643-9636, 800-332-1202 or 603-643-9502 (fax)

■ **Student Performance Support (SPS)**
Curriculum management
Macintosh Plus or larger; CD-ROM; System 7.0 or later.

Student Performance Support (SPS) is a robust, full-featured "computer management of instruction" (CMI) system that manages student rostering, curriculum assembly, sequencing of instructional events, student routing, testing, data collection and analysis, grade reporting, general messaging and access to other resources for education or training applications. With five fully integrated desktops, SPS is the gateway into the world of learning. There is no longer a need to be locked into existing or prepackaged courses. Content independent, SPS works with almost any courseware or authoring environment. Each organization can customize the learning events to meet its own specific goals. SPS is flexible and easy to use, gives new life to existing course content and makes designing new courses fast and fun.
Call for pricing
Integrated Learning Systems, Inc.; 218 Main St., Ste. 438; Kirkland, WA 98033; 206-827-4668 or 206-827-7370 (fax)

Teacher's Rollbook 2.6
Complete classroom management tool
Macintosh 512K or larger; hard disk drive.

Teacher's Rollbook is a full-featured roll-book program that allows teachers to record and calculate grades and more. The program keeps accurate totals and the reasons for all absences and tardies; keeps detailed accurate records of a student's grades and provides 20 different reports quickly and easily; and keeps track of actions a user takes regarding behavior, reminds a user what was assigned and keeps accurate records for later use. Teacher's Rollbook provides a semester rollover feature that allows a user to transfer the students basic information into a new file for a new semester without having to enter that information again. Teacher's Rollbook is System 7 compatible.
$44.95 retail
Current Class Productions; 22824 Berendo Ave.; Torrance, CA 90502; 310-326-4246

Teaching, Learning And Technology: A Planning Guide
Planning resources to support schools and districts in the integration of technology in the classroom
Macintosh LC or larger; 2 MB of RAM (4 MB for QuickTime version); hard disk drive with 7 MB of free disk space; HyperCard 2.1 or later; color or gray-scale monitor; System 6.0.5 or later; VHS videotape player; videodisc player; CD-ROM drive.

With the Basic Kit, users will find the Teaching, Learning and Technology Workbook, the program's centerpiece. It's a virtual storehouse of information, technology references and case studies about the planning process. In addition, users will find actual classroom examples that showcase successful uses of various kinds of technology. Plan template disks and duplication masters help users develop, record and publish a plan as it progresses. Learning Video illustrates successful technology integration.

The Interactive Kit is used as users research and collect text, audio and video information throughout the planning process. Aided by the Interactive Planbook, users can guide a school's vision, goals, objectives, budgets and schedules. The Presentation Maker can then be used to create a true multimedia presentation combining text, audio clips and video. It includes all the components of the Basic Kit and a Quick Start to help users put the equipment together. A dynamic videodisc with 60 minutes of video clips from a variety of classroom learning environments and a CD-ROM disc with two hours of audio interviews and the necessary software are included.

The Interactive Kit/QuickTime Version lets users run the program directly from the CD-ROM without any additional hardware. It includes an improved version of the Interactive Planbook, along with templates and duplication masters. A single CD-ROM disc contains the software and QuickTime versions of two hours of audio interviews and an hour of video clips of teachers and students using technology.
$49 retail; Basic Kit
$149 retail; Interactive Kit
$149 retail; QuickTime Version
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

Test-It with Audio
System to create differentiated assessment tests
Macintosh Plus or larger;

Test-It offers teachers a system to create differentiated assessment tests for any subject. Whether for catching up, revision, consolidation or extension work, the program enables students to work at their own pace and set their own targets. The program provides records of achievement, password security and the flexibility to create a wide variety of tests thanks to test manipulation options, the NotePad and WorkSheet features (including text import and export). Groups of tests can be archived for security or convenience, and whole class lists imported from databases. The number of tests and students listed is unlimited, and even a floppy disk can store a substantial databank if security is an issue.
$50 retail
$150 retail; site license
The Flexible Learning Co.; 15 Longpoles Rd.; Cranleigh, Surrey, England GU6 7JZ; (0) 483-277020

Textbook Librarian
Textbook management
Macintosh Plus or larger; hard disk drive.

Textbook Librarian provides complete textbook management, inventory management and circulation. It offers features such as: overdue listings by class, teacher, student or period, pre-defined fines for book damage, automatic receipts printed at check out, real-time available inventory, flexible loan periods, easy check-in and import/export. It also offers many convenience features; optional bar-code commands for rapid entry, textbook utilization reports, portable bar-code reader support and much more.

Textbook Librarian site license includes all of the above capabilities, plus multiuser support for up to 20 simultaneous users and AppleShare-compatible file server software.
$995 retail; educational price
$1,795 site license; Textbook Librarian MU
Call for free demo disk
COMPanion, Library Automation Division; 1831 Fort Union Blvd.; Salt Lake City, UT 84121; 801-943-7277, 800-347-6439 or 801-943-7752 (fax)

The Textbook Toolbox
Authoring tool
Macintosh Classic or larger; 2 MB of RAM (4 MB with System 7); HyperCard 2.1 or later; System 6.0.5 or later.

The Textbook Toolbox is a HyperCard-based authoring system for creating interactive, multimedia

HyperCard stacks. Users make selections about the various elements of their stack — design, functionality, features — and The Textbook Toolbox builds a fully-functioning "shell" based on the choices made. A built-in suite of authoring tools is then used to add content material, such as text, pictures, sounds and QuickTime movies, to the stack. Stacks created with the system include powerful searching, indexing, navigation, printing and exporting tools. Users can work through the material in their own way, accessing the multimedia references (sounds, illustrations, movies, etc.) included by the author. The Textbook Toolbox makes it possible for novice computer users to create professional-looking HyperCard stacks with the standard Macintosh look and feel. Users will appreciate the intuitive nature of the system, the straightforward documentation and the online help available. Purchase of the system includes the right to produce an unlimited number of stacks without paying royalty or licensing fees.
$129 retail; education and multiple pricing is available
Northwest Multimedia; 4061 Winema Pl. NE; Salem, OR 97305; 503-399-8390 or 503-399-8875 (fax)

Tom
Information retrieval system for school libraries
Macintosh Plus or larger (LC recommended); 1 MB of RAM (2 MB recommended); printer; System 6.0.5 or later; CD-ROM drive(s).

Tom is a family of CD-ROM databases designed exclusively for secondary school libraries that provides index and full text access to magazines. Tom is also the first-and-only set of reference products that run on Macintosh computers. The Tom family consists of the following: Tom General, an index to more than 150 general interest magazines and the full text for 100 of the titles; SuperTom, consists of everything in Tom General plus the full text of reference books and newspaper articles; Tom Health & Science, an index to more than 50 key health and science magazines with full text for 24 of the titles; and Tom Junior, available for junior/middle schools only, an index to more than 55 magazines with full text for 26 of the titles; and SuperTom Junior, consists of everything in Tom Junior plus the full text of reference books and newspaper articles. .
Call for pricing
Information Access Co.; 362 Lakeside Dr.; Foster City, CA 94404; 415-378-5200, 800-227-8431 or 415-378-5369 (fax)

Trig'n'Cogo
Assists users in dealing with plane trigonometry and coordinate geometry
Macintosh SE/30 or larger; 3 MB of RAM (4 MB with System 7); System 6.0 or later.

Trig'n'Cogo is designed to assist educators, surveyors, engineers, realty personnel, title offices and government offices dealing with land. In addition to many coordinate geometry routines, the software may be used to demonstrate plane trigonometry using bearings, angles and distances to create figures, solve unknowns and determine area. The software plots the figures or parcels on the screen or printer to most common scales. The graphics may be exported as a PICT file to other software. The coordinates may be imported or exported as a text file. Files created by Trig'n'Cogo may be read by Cogomaster III for use by surveyors, etc. Cogomaster III is suggested as an upgrade. The manual is included on the disk as a "read me" file and may be printed.
$35 retail
Guenzi Surveys; Box 127, #38 CDR; Glendive, MT 59330; 406-365-3527 or 800-299-2197 (orders)

ULI Timer
Allows users to take measurements of motion
Macintosh Plus or larger; System 6.0 or later.

ULI Timer allows users to take measurements of motion using the Universal Lab Interface and a photogate system. These measurements are displayed graphically on the screen and can be manipulated and saved. Users may use either a homemade photogate system using a Vernier Software Photogate System Parts Kit, or an assembled Photogate System available from PASCO Scientific. ULI Timer is a useful tool for instant analysis of complicated data on one-dimensional motions. Universal Lab Interface and photogate system are sold separately.
$49.95 retail; includes site license
Vernier Software; 2920 SW 89th Ave.; Portland, OR 97225; 503-297-5317 or 503-297-1760 (fax)

Vertical Markets/ Engineering

ADS-MGMStation—Electronics
Symbols for schematics and drawings
Macintosh 512K or larger.

ADS-MGMStation—Electronics is a comprehensive compilation of electronic, electro-mechanical and electrical symbols developed specifically to allow the creation of complex electronic schematics and drawings. There are more than 15 libraries covering all the primary ANSI symbols. They are accessible by mouse to any position on a drawing. The symbols can be altered to any scale, angle or dimension, providing complete flexibility for manipulating all components of a drawing. The symbols are precise representations of the most common analog, digital, solid state, microwave and RF, logic and system templates. The package also includes complete circuits, connectors and bussings, as well as a self-paced learning tutorial.
$195 retail
Compu-Arch; 1954 Cotner Ave.; Los Angeles, CA 90025; 310-312-6632 or 310-444-9577 (fax)

ADS-MGMStation—Mechanical
Mechanical symbols
Macintosh 512K or larger.

ADS-MGMStation—Mechanical is an integrated compilation of mechanical symbols stored in libraries developed specifically for mechanical engineers, plumbing contractors, specialists in HVAC systems and other design professionals. It allows the creation of complex schematics and drawings. There are more than 20 libraries, all to MIL STD and architectural standards. The symbols are precise representations of the most commonly used templates for heating, ventilation, air conditioning, welding, piping, valves, ductwork, gas, electrical, refrigeration systems, plumbing outlets and fixtures. Also included are comprehensive air flow design, heat power-systems equipment and components, instrumentation in flow plants and air-conditioning systems, as well as a self-paced learning tutorial.
$195 retail
Compu-Arch; 1954 Cotner Ave.; Los Angeles, CA 90025; 310-312-6632 or 310-444-9577 (fax)

AISC Code Check Version 2.0
Steel-member design program
Macintosh 512K or larger.

AISC Code Check is a general-purpose steel-member design-database program that uses the elastic-design method of the American Institute of Steel Construction (AISC 8th edition) to design steel beams, struts, columns and members subjected to combinations of axial loads, shear forces and bending moments (uniaxial or biaxial). The program is supplied with database files that contain a library of standard W, M, S, HP, C, MC, Tees, pipes and tubing-shaped steel cross sections. This library can be updated or appended by a user. A user selects a suitable steel cross section from the library, manually inputs forces, moments and parameters, and then determines whether a member profile meets the provision of structural code or not.
$99.95 retail
Micro-Besst, Inc.; 98-01 67th Ave., Ste. 11B; Rego Park, NY 11374; 718-896-7418

Argus MeshMaker 2.0
General purpose finite difference pre-processor for numerical modeling, including Geographic Information System and an on-screen digitizer
Macintosh with a math coprocessor; 8 MB of RAM; hard disk drive recommended; System 6.0.4 or later.

Argus MeshMaker is designed for and used by engineers and scientists using finite difference numerical models to model ground water flow, petroleum reservoirs, oceanographic, coastal and marine systems, mineral mining and surface flow. The auto grid generator allows for intuitive and easy creation of complex grids. Rows and columns of blocks are editable objects using click and drag techniques. Material properties, boundary and initial conditions, topography, etc., can be digitized on screen or imported from DXF files into information layers. The GIS automatically assigns each block its appropriate value in each of the information layers. Additional capabilities include querying, zooming, intuitive grid density setting, support of bit-map and PICT formats, and export templates allowing export to any numerical model.
$500 retail; free demo available
Argus Interware, Inc.; 11 Merit Ln.; Jericho, NY 11753; 516-931-4725 or 516-942-5040 (fax)

Argus MeshMaker Pro 2.0
General purpose finite element and finite difference pre-processor for numerical modeling, including Geographic Information System and an on-screen digitizer
Macintosh with a math coprocessor; 8 MB of RAM; hard disk drive; System 6.0.4 or later.

Argus MeshMaker Pro is designed for and used by engineers and scientists using finite element and/or finite difference numerical models to model ground water flow, petroleum reservoirs, oceanographic, coastal and marine systems, mineral mining and surface flow. The auto mesh generator and auto grid generator allow for intuitive and easy creation of complex meshes and grids. Elements, nodes and blocks are editable objects using click and drag techniques. Material properties, boundary and initial conditions, topography, etc., can be digitized on screen or imported from DXF files into information layers. The GIS automatically assigns each element, node and block its appropriate value in each of the information layers. Additional capabilities include querying, zooming intuitive mesh and grid density setting, support of bit-map and PICT formats, and export templates allowing export to any numerical model.
$1,000 retail; free demo available
Argus Interware, Inc.; 11 Merit Ln.; Jericho, NY 11753; 516-931-4725 or 516-942-5040 (fax)

Balancing Rotating Machinery
Shows where to add correction weights to properly balance machinery rotors
Macintosh Plus or larger; 1 MB of RAM.

Balancing Rotating Machinery allows users to enter information on the type of machine being balanced, the type of rotor configuration of the machine, the vibration analyzer used and how the vibration and phase angle sensors were set up, selecting the correct trial weight, and the vibration and phase angle data before and after the trial weight runs. Once the data is entered, the program shows where to add the correction weights to properly balance the machinery rotor. All of this information can be stored as a file and recalled for future balancing runs. Each piece of information can be altered, displayed or printed for balancing reports. The program assists users in selecting single or dual plane balancing techniques, allows them to specify whether weight is to be added or removed, calculates combining multiple weights into one single weight, calculates how to "split" a single weight into two separate weights, calculates weight amounts by the weight shape and density, how to change the radius of the weight and shows the current balance quality based on ISO and ANSI standards.
$895 retail
Turvac Inc.; 12012 Elkwood Dr.; Cincinnati, OH 45240; 513-851-1439

Beam Analysis VI
Application and function library for beam profiling and analysis
Macintosh Quadra; 8 MB of RAM; 40 MB hard disk drive.

Beam Analysis VI is a real-time imaging application for beam diagnostics and characterization, quality control and laser tuning. Images can be loaded from disk or acquired via a digitizer board. The application features live image display using various color palettes to reveal energy levels, auto-marking of the beam centroid, display of the X, Y intensity profiles crossing the beam centroid or any location pointed in the image, statistical analysis and optional plot of Gaussian-fit curves. Beam measurements are also continuously updated and reported in a window. They include beam area, diameter, peak intensity value, integrated intensity and beam wander statistics. The analysis can be limited to regions of interest selected by a user. Other options include cameras, digitizers and function libraries.

These Products Available Through Bottom Line Distribution
1-800-347-1923

$1,295 and up retail; depending on software and hardware options
GTFS, Inc.; 2455 Bennett Valley Rd., #100C; Santa Rosa, CA 95404; 707-579-1733 or 707-578-3195 (fax)

Beam Mac
Structural beam analysis and design
Macintosh Plus or larger; floppy disk drive or hard disk drive; ImageWriter or LaserWriter.

Beam Mac analyzes and helps design simple beams. It allows any number of static loads, including node, element, sloped, moments, trapezoidal distributed, etc. (limited only by RAM). A beam can consist of up to four nodes, each of which may be supported or unrestrained. Each element can have its own characteristics. Double-clicking on a node or element will allow a user to change it; multiple nodes or elements may be changed all at once or in a group. Loads can be applied in groups with factors. The analysis is done by the stiffness matrix method. Nineteen-digit precision is used in all calculations. A partial AISC section table, which can be expanded, is included. A main window shows the original and/or deflected shape, loads, etc. A separate window shows elements with loads, tension, shear, moment and deflection. Another window shows any node as a free body with all loads, forces and moments acting on it. Four other windows show input text, output text and section table.
$145 retail
Compuneering Inc.; 113 McCabe Crescent; Thornhill, Ontario, Canada L4J 2S6; 905-738-4601 or 905-738-5207 (fax)

Beam Mac 2
Structural beam analysis and design
Macintosh Plus or larger; floppy disk drive or hard disk drive; ImageWriter or LaserWriter.

Beam Mac 2 analyzes and helps design any continuous or simple beam or column. It allows any number of nodes, supports, elements, static loads, etc. (including node, element, sloped, moments and trapezoidal distributed), and is limited only by RAM. There can typically be up to 200 nodes per MB of RAM. Each node may be supported or unrestrained, rigid or hinged; each element can have its own characteristics. Double-clicking on a node or element allows a user to type in a change, and multiple nodes or elements can be changed in groups. Loads can be applied in groups with factors. Analysis is done by the stiffness matrix method. Nineteen-digit precision is used in all calculations. A partial AISC section table, which can be expanded, is included. A main window shows the original and/or deflected shape, loads, etc. A separate window shows elements with loads, tension, shear, moment and deflection. Another window shows any node as a free body with all loads, forces and moments acting on it. Four other windows show input text, output text and section table.
$345 retail
Compuneering Inc.; 113 McCabe Crescent; Thornhill, Ontario, Canada L4J 2S6; 905-738-4601 or 905-738-5207 (fax)

Beam-Mate
Engineering HyperCard stack
Macintosh Plus or larger; HyperCard 1.2.5 or 2.0 (specify which).

Beam-Mate is a user-friendly, graphical-oriented, technical HyperCard stack that enables design professionals to analyze simple beam structures with various geometries, cross-sectional shapes and loading profiles. Beam-Mate will calculate and plot shear, moment, slope, deflection and stress of beams in bending, shear stress and angular twist of beams in torsion, plus critical buckling load and stress of beams in compression. Beam-Mate will analyze both bolted and welded end connections, determine section properties for common beam shapes and calculate beam vibration natural frequencies. An extensive table of engineering conversion factors, plus material properties, including various types of wood is also provided. Each section has access to online help, which explains how to use the software. The full version stack is not copy protected.
$50 retail
$10 retail; working demo version (credited towards purchase of full working version)
Ronald A. Olansen; Macintosh Rd.; Lyme, CT 06371

Benchmark
Aircraft performance testing and analysis
Macintosh Plus or larger; System 6.0.2 or later.

Benchmark automates the process of aircraft performance testing analysis and production of performance charts for flight manuals. It includes instrumentation calibration, pitot-static system flight testing and calibration, engine power modeling, propeller efficiency, induction system ram recovery, engine fuel flow, drag polar flight testing and calculation of Cdo and Oswald E, etc. It produces miles-per-gallon performance charts, CAFE 400 charts and other performance charts for the aircraft or engine. It includes numerous calculators for engine power, aircraft speed, propeller efficiency, atmospherics, etc.
$250 retail
Sequoia Aircraft Corp.; 2000 Tomlynn St.; PO Box 6861; Richmond, VA 23230; 804-353-1713 or 804-359-2618 (fax)

C-CASLab+Extend
Modeling and simulation, computer-aided engineering tool set
Macintosh Plus or larger, including PowerPC; System 6.0.7 or later (6 MB of RAM and System 7 are recommended).

C-CASLab+Extend is a modeling and simulation, computer-aided engineering tool set used by analysts, designers and engineers who work with controls systems. C-CASLab is a system of libraries containing 388 classical control blocks, 100 percent compatible with the modeling and simulation application, Extend. C-CASLab blocks are placed on a worksheet by selecting them from a library list, then releasing the mouse. Dialog boxes for each block are designed for easy variables entry. Blocks are connected at desired points with a drawing tool to build full-function, interactive models. A family of plotters is available for on-screen, interactive illustration of simulation run results. Mathematical analyses include: Euler-forward, Euler-reverse and trapezoidal integration or solution by 2-6 ordered, ordinary differential equations, i.e., Adams' Predictor-Corrector, Adams-Bashforth and Runge-Kutta. Analyses may be model-wide or local-block-level.
$935 retail; C-CASLab Libraries
$1,495 retail; C-CASLab+Extend
Educational discounts and a free demo are available
AC Engineering Systems, Inc.; PO Box 25141; Fort Wayne, IN 46825; 219-489-2226 (phone/fax)

C30 DevTools
DSP development tools
Macintosh II family; 8 MB of RAM.

The C30 DevTools are an advanced set of digital signal processor programming environment tools that work with the existing Texas Instruments DSP development programs and all existing NuBus modules that use the TMS320C30 DSP. It supports both the NB-DSP2300 from National Instruments and the SmartStore from Perceptics. The programs are actually developed and tested on the target hardware, making it more accurate than simulators and eliminating the need to consider emulation or simulation variations and differences. This also makes C30 DevTools less expensive than emulators because no additional development hardware is needed. The C30 DevTools consist of three parts: the Texas Instruments' TMS320C30 Assembler/Linker; the C program environment; and the C30 Debugger. When integrated together, they provide a powerful development environment. Because C30 DevTools has been developed using ANSI standards, any C program can be used (if programming in C is preferred, a compiler is available). The center of this product is the C30 Debugger. It has been developed as a powerful set of debugging commands for controlling memory and register input and output, target program analysis and executive control over the DSP operations. Additionally, the Debugger's Command Set can be extended or customized because the source code is provided.
$3,095 and up retail
Perceptics Corp.; 725 Pellissippi Pkwy.; Knoxville, TN 37932; 615-966-9200 or 615-966-9330 (fax)

Cable-Mate
Engineering HyperCard stack
Macintosh Plus or larger; HyperCard 1.2.5 or 2.0 (specify which).

Cable-Mate is a user-friendly, graphical-oriented, technical HyperCard stack that provides engineering data and analytical capabilities for electrical and electronic design and engineering professionals. It includes sections that describe the nomenclature used to define various Military-Specification cables, the identification of conductors within these cables, the services in which the various cables are used, plus pertinent data, such as size, weight, rated voltage, amperage and minimum bend radius. In addition, a cable comparison chart is provided and information regarding military style connectors, front and back releases, backshells and protective covers. An extensive table of engineering conversion factors is also provided. Cable-Mate contains analysis sections that evaluate electrical elements in series and parallel, basic electrical problems and circuit designs, plus allows users to design both active and passive filters and attenuators. Extensive online help is available to aid users in fully utilizing this engineering stack. The full version stack is not copy protected.
$50 retail
$10 retail; working demo version (credited towards purchase of full working version)
Ronald A. Olansen; Macintosh Rd.; Lyme, CT 06371

CADSap
Structural design
Macintosh II family.

CADSap is a two-dimensional drawing program particularly suited for building drawings. Many special functions are provided for structural planning, including reinforcement parametric symbols, structural plans drawing using the building grid and more. The most interesting CADSap feature is the automatic plan drawings interpretation to automatically build a finite element model. This goal is achieved by using statistical shape recognition and expert system techniques. IGES format is supported. Optimized for Power Macintosh.
$2,230 U.S. retail
Softing s.r.l.; Via Reggio Calabria, 6; 00161 Rome, Italy; 39-6-44290900, 39-6-44291061 or 39-6-44235715 (fax)

CALMsim
Comprehensive motion and load simulator for catenary anchor-leg mooring systems
Macintosh Plus or larger; hard disk drive recommended.

CALMsim is a comprehensive simulation used for design, evaluation, maintenance and failure analysis of catenary anchor-leg mooring (CALM) systems. These systems comprise a storage vessel attached by means of a hawser or rigid, articulated yoke assembly to a large catenary-moored surface buoy. It provides detailed mooring line and vessel performance data under specifiable water depth and environmental conditions, including characteristic (r.m.s.) and peak system loads in the forecast maximum storm. A wide range of environmental conditions is accommodated, including extensive built-in wave spectral types, azimuthal spreading of wave directions, an optional independent background swell and steady or fluctuating wind and/or current. CALM mooring systems are characterized by extreme nonlinearities at every phase of performance analysis; CALMsim accommodates these nonlinearities at all levels, including system statics, quasi-statics (low-frequency oscillations with typical periods of one to 10 minutes) and dynamics (wave-frequency oscillations with typical periods of four to 30 seconds). Simulation is carried out in the frequency domain, resulting in short execution times and unambiguous predictions of statistical response values.
$60,000 retail
SeaSoft Systems; 250 Ribera Dr., Ste. B; Santa Barbara, CA 93111; 805-683-3002 or 805-683-0440 (fax)

Catsim
Comprehensive multidegree-of-freedom static catenary-elastic mooring system evaluator
Macintosh Plus or larger; hard disk drive recommended.

Catsim is a comprehensive static mooring analysis program for multileg catenary mooring systems. The program is used in the design and analysis of complex single-vessel multipoint mooring systems and special applications, including static response characteristics of

most elasto-gravitational lines of importance to the offshore industry (towlines, reinforced coflex-type hoses, etc.). An analytically exact solution to the elasto-gravitational static response of mooring line elements is employed; these exact equations apply to arbitrary degrees of nonlinearity in the tension-elongation characteristics for the mooring line elements, permitting analysis of strongly nonlinear materials, such as nylon and polypropylene. Extensive online default values for weight, strength and elastic properties of steel and synthetic mooring materials are provided to enhance efficiency in preliminary parametric design studies. The program supports submerged buoys, clumped weights and individually specifiable anchor depths. Output capabilities include both individual line characteristics and net restoring forces and moments associated with rotational offsets about any oblique axis or translational offsets in any direction.
$10,000 retail
SeaSoft Systems; 250 Ribera Dr., Ste. B; Santa Barbara, CA 93111; 805-683-3002 or 805-683-0440 (fax)

Chameleon 3.0
200 million-plus weights and measures conversion
Any Macintosh.

Chameleon is a general-purpose weights and measures conversion program. Version 3.0 can perform more than 200 million conversions in 18 different dimensions, including: distance, mass, time, temperature, energy and work, pressure, force, angle, illumination, area, volume, linear velocity, angular velocity, density, power, flow rate, moment of inertia of area and moment of inertia of volume. Within any dimension, the range of possible conversions generally covers 36 orders of magnitude, ranging in distance, for example, from the tiny attometer (1.0E-18 meters) to the exameter (1.0E+18 meters). Conversion factors are accurate to six significant digits and are displayed in scientific notation, if necessary.
$49.95 retail
Spectrum Computing, Inc.; PO Box 141097; Coral Gables, FL 33114; 305-665-0404

Chemical Mac
Chemical process costing program
Macintosh Plus or larger (SE/30 or II recommended); 2 MB of RAM; hard disk drive.

Mac Chemical calculates the material cost of batches in a chemical manufacturing environment. The Product file contains a record for each raw material and process result. In addition, derivative materials, such as rerun, to be improved and recovered, can be defined with their cost specified as a percentage of the parent product. An ingredient structure is defined for each process, specifying all the possible input and output materials. To cost a batch, users identify the process and a general batch sheet is created from the ingredient file. Users then enter the quantities used and output for each material. The batch sheet is stored permanently and identified by a lot number. An optional inventory module is available to control ingredient usage by lot or batch.
$795 retail; Costing
$1,595 retail; Costing and Inventory
Customization service is available
Macintosh Business Systems, Inc.; 3 Country Ln.; Mamaroneck, NY 10543; 914-698-7215

CircuitMaker 4.0
Digital logic design, simulation and schematic generation
Macintosh Plus or larger.

CircuitMaker is a fully integrated schematic capture and digital simulation program. It enables users to quickly draw any electronic circuit and then simulate the digital portion of the circuit. A library of common TTL and miscellaneous devices is provided. Users can expand CircuitMaker by designing additional devices and adding them to the library. Editing features, such as rubberband move of devices and wires, undo and smart wires, make circuit construction easy. Operation of the circuit can be observed via a logic analyzer timing display, by enabling a powerful trace feature that shows the state of every node in the circuit simultaneously as the simulation runs, by connecting a variety of LED displays into the circuit or by using an interactive logic probe.
$199 retail
MicroCode Engineering; 1943 North 205 West; Orem, UT 84057; 801-226-4470 or 801-226-6532 (fax)

Co-Geometry Excel Templates
Coordinate geometry
Macintosh Plus or larger; Microsoft Excel.

Co-Geometry is a set of Excel templates that perform five separate coordinate geometry functions. They are designed for use by civil engineers, professional surveyors, land planners, architects and others involved in mapping and/or land development, such as subdivision layout, road layout, land division and boundary reconstruction. Co-Geometry can create new point locations and assign point ID numbers; calculate area, closure and point locations; calculate bearings, distances, areas, curve angles, radii, tangents, chords and arc lengths; adjust locations; and display points on screen. Major recent improvements are included.
$100 retail
$10 retail; demo
Ralph Garver; Rte. 2, Box 1693; Palatka, FL 32177; 904-328-8701

Composite Wing Optimization
Structural design of composite aircraft wings
Macintosh 512K or larger.

Composite Wing Optimization is an engineering package designed for engineers working in the aerospace/aviation industry. A user can design models of composite aircraft wings by entering data into dialog boxes. After the preliminary model is completed, a user can review the data and modify the thicknesses by viewing the stress distributions, material allowables and margins of safety that are printed on one screen for each structural part. The program uses the Weissinger Discrete Vortex Method for determining the airload distribution for any wing configuration. Matrix calculations are used to determine loads, deflections, twist, tensile stresses, compressive stresses and shear stresses in the various components of the wing. A user can change the wing planform shape, wing airfoil shape, flight load conditions and material properties. The program takes into account the stiffness in the different structural parts. The graphics output includes stress plots, deflections, geometric definition and load distributions.
$125 retail
Aircraft Designs, Inc.; 5 Harris Ct., Bldg. S; Monterey, CA 93940; 408-649-6212 or 408-649-5738 (fax)

Computer Aided Design For Inductors And Transformers Mark VI
Increases the speed and analyzes existing magnetic components; minimizes the design time of new magnetic components
Macintosh 512K or larger; Microsoft Basic.

Computer Aided Design for Inductors and Transformers can be used to increase the speed and analyze existing magnetic components and minimize the design time of new magnetic components. Programs available in the package include: Transformer Design Using Iron Alloy and Ferrites; AC Inductor Design Using Iron Alloy and Ferrites; DC Inductor Design Using Iron Alloy and Ferrites, DC Inductor Design MPP Powder Cores and Sample Computer Printouts. Computer Aided Design for Inductors and Transformers Software has a stored database of more than 35 combinations of magnetic materials and thicknesses, including ferrites and molypermalloy powder cores. Information provided by the program can be output to a printer.
$180 retail; no charge for updates
KG Magnetics, Inc.; c/o Sherwood Associates; 2135 Huntington Dr., Ste. 201D; San Marino, CA 91108; 818-568-8443 or 818-568-8534 (fax)

Computer Aided Transformer And Inductor Analysis Mark VI
Increases the speed of magnetic component analysis
Macintosh 512K or larger; Microsoft Basic.

Computer Aided Transformers and Inductor Analysis is used to increase the speed of doing analyses of magnetic components. The program was written primarily to assist an analysis engineer working with magnetic components. It simplifies the analysis of such components by taking into account all significant variables and using design equations that have been theoretically and empirically developed during the past few years. The program has a stored database of more than 35 combinations of magnetic materials and thicknesses, including ferrites, molypermalloy powder cores and powered icon cores.
$130 retail; no charge for updates
KG Magnetics, Inc.; c/o Sherwood Associates; 2135 Huntington Dr., Ste. 201D; San Marino, CA 91108; 818-568-8443 or 818-568-8534 (fax)

Concept Vi
Image processing libraries
Macintosh Quadra; 8 MB of RAM; LabVIEW.

Concept Vi is a set of image processing libraries for LabVIEW, instrumentation software from National Instruments. It offers virtual instruments for image acquisition and visualization, qualitative and quantitative image analysis. Basic functions include image capture and display utilities, histogram and line-profile analysis. Processing functions include gamma corrections and histogram equalizations for contrast adjustment, convolutions and other spatial filters for the extraction of contours, noise removal, detail attenuation and texture enhancement. Frequency domain functions include two-dimensional Fast Fourier Transform frequency filtering and complex operators. Object manipulations include thresholding, opening, closing, hole filing, size filtering and other binary morphology functions. Quantitative analysis functions provide for spatial and intensity calibrations, automatic object counting, sizing and measurement. Parameters include area, perimeter, location, orientation, shape factors and many more.
$1,200 retail; Concept Level 1
$2,500 retail; Concept Level 2
$3,500 retail; Concept Vi Level 2 with stand-alone Ultimage program
GTFS, Inc.; 2455 Bennett Valley Rd., #100C; Santa Rosa, CA 95404; 707-579-1733 or 707-578-3195 (fax)

ControlWare
Scientific simulation and control system design software
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; System 6.0.5 or later.

ControlWare is a powerful and easy-to-use tool for simulating, analyzing and designing dynamic systems and feedback controllers. Based on Extend, ControlWare is an all-graphical package with linear, nonlinear, logic, hierarchical and custom blocks, as well as signal generators and plotters. It even has built-in drawing tools for diagram annotation and block icons. Users arrange and connect icons to build a model in block-diagram format. ControlWare's simulation is interactive. There are eight integration methods for nonlinear simulation and random effects can be modeled in Monte Carlo simulation runs. For analysis, ControlWare uses virtual instruments to plot the various control system criteria, such as time response, frequency response and root locus. Describing functions are used for nonlinear analysis and linearization. Nonlinear analysis shows how nonlinearities affect system performance over a broad operating range. Linearization is done analytically for improved accuracy. ControlWare includes discrete and modern libraries.
$995 to $1,690 retail
Seagull Technology, Inc.; 1310 Hollenbeck Ave.; Sunnyvale, CA 94087; 800-297-1943 or 408-736-7103 (fax)

Core Data Disk
More than 10,000 cores
Macintosh 512K or larger; Microsoft Basic.

The combined Core Data Disks will give engineers a selection of more than 10,000 cores that will operate with the following CAD maghetics design programs: Computer Aided Design for Inductors and Transformers Mark VI, Computer Aided Transformer and Inductor Analysis Mark VI, Flyback Converter Magnetics Design Mark VI, Specialty Design Magnetics Mark VI and Magnetic Core Data Conversion Mark VI. The data disks reduce the design time and give more time for optimization. The disks contain a variety of cores, including: tape toroid cores in 0.5 mil, 1 mil, 2 mil, 4 mil and 12 mil; C cores in 0.5 mil, 1 mil, 2 mil, 4 mil and 12 mil; powder cores, such as powdered iron, molypermalloy, high flux and kool mu; ferrite cores, such as toroids, pot cores, EC cores, RM cores, PQ cores, RS cores, DS cores, EP cores, ETD cores, EE EI cores and UU UI cores; and more.
$8 each retail

These Products Available Through Bottom Line Distribution
1-800-347-1923

KG Magnetics, Inc.; c/o Sherwood Associates; 2135 Huntington Dr., Ste. 201D; San Marino, CA 91108; 818-568-8443 or 818-568-8534 (fax)

Cosmos/M V1.70
Finite element analysis system
Macintosh SE/30 or larger; 16 MB of RAM; 40 MB hard disk drive; color monitor; color card; System 7.0 or later.

Cosmos/M is a finite element analysis (FEA) system that allows design engineers and analysts to perform linear and non-linear MCAE structural, thermal, fluid, fatigue and electromagnetic analyses in the automotive, aerospace, computer, electronic, industrial and medical industries. Cosmos/M determines stresses, strains, displacements, forces and temperature distribution in structures subjected to external loads, forces and imposed boundary conditions. Cosmos/M features an extensive element library, load options and material libraries with composites. It offers a straightforward CAD interface to allow any IGES or DXF file to be analyzed.
$5,300 retail; basic system (free limited version available)
Structural Research and Analysis Corp.; 2951 28th St., Ste. 1000; Santa Monica, CA 90405; 310-452-2158 or 310-399-6421 (fax)

cumTerra
Land modeling
Macintosh II; 4 MB of RAM; hard disk drive.

cumTerra is a program for land modeling and earthworks calculation. It processes survey data — imported from text, DXF or PICT files or input by digitizers, numerically or graphically — by triangulation to build a 3-D model. The geometry of the model can be constrained by bridles to mark ridges and valleys. Views of the altimetrical trend of the ground include contour lines, cross-sections, depth-displays and 3-D views. According to specific planning requirements, the original ground model can then be modified within circumscribed regions by ground points alterations and the insertion of excavations, embankments, inclined planes, basins and man-made objects (e.g., buildings); cross-sections can also be edited to alter land morphology. Of all these regions, both areas and volumes are calculated and automatically updated. 3-D graphic elements (lines, arcs, splines, etc.) can also be inserted; they can even be used as guides for remodeling the ground. CDL library objects (trees, fountains, etc.) are available for completing the drawing. DXF libraries can also be accessed. Each element of the project is allocated to one of the 256 layers available and is given a name, a color and plotter information. cumTerra files can be exported in various formats (DXF, DDL-ArchiCAD, PICT, text) and plotted and printed in plan or cross section.
$1,800 U.S. retail
Cigraph s.r.l.; Via Orsato, 38; 30175 Mestre (VE), Italy; 041-932388 or 041-920031 (fax)

Datica II
Technical utility tool
Macintosh Plus or larger; System 6.0 or later.

Datica II is a technical utility tool. The unit conversion module handles everything. All physical measurements are supported by the program. Users can convert meter to feet or BTU/µs to J/yr. The program will convert a single unit pair or an entire list of units with a simple "click." The equation module solves any algebraic equation. It handles functions like SIN, ATN and LOG. The periodic table module has 12 properties for all 103 elements. Users can solve equations by selecting from grouped lists. Variables in the equations are automatically linked to a list of 500 constants. The periodic table looks like a periodic table or can be viewed as a list of elements. Users can add their own units, conversions, conversion categories, equations, equation categories and elemental data.
$49.95 retail
…by Design, Inc.; 5700 Highland Way, Ste. 201; Middleton, WI 53562; 608-831-5259 (phone/fax) or 800-527-7472

The Design Center
Analog and digital circuit simulator
Macintosh with floating point coprocessor; 2 MB of RAM; System 6.0 or later.

The Design Center provides the building blocks to form the foundation for a custom integrated analog or mixed analog/digital desktop EDA system. Control of simulation is menu drive. Interactive features include online help, stimulus waveform editing, device characterization and graphical waveform analysis of simulation results. For a custom EDA system, users can select from: Mixed Analog/Digital simulation, Analog-only simulation or a Small Circuit Analog (simulates approximately 100 transistors) simulation package. Extensive libraries include more than 7,000 off-the-shelf analog and digital part definitions. Each Design Center package includes a comprehensive five-volume manual set and the book "Spice, A Guide to Circuit Simulation and Analysis Using PSpice."
$5,450 retail; Mixed Analog/Digital
$3,250 retail; Analog
$1,495 retail; Small Circuit Analog
MicroSim Corp.; 20 Fairbanks; Irvine, CA 92718; 714-770-3022, 800-245-3022 or 714-455-0554 (fax)

DesignWorks 3.1
Interactive electronic circuit design
Macintosh Plus or larger; 4 MB of RAM; System 6.0.3 or later.

DesignWorks is an integrated schematic diagram and digital logic simulation package for electronics engineers. Features include: completely interactive simulation; presents a "live" circuit on screen that responds immediately to connection, input and parameter changes; advanced schematic editing with bussing, multipage drawings, integrated symbol editor, error checking, cut/copy/paste, rubberbanding, etc.; full libraries of thousands of standard logic and analog devices; PLD and PROM simulation support when used with MacAbel; and net and component lists for PCB layout, Spice analog simulation, etc. It is also available for Windows 3.1.
$995 retail; schematic only
$1,295 retail; schematic and simulation
Capilano Computing, Ltd.; #406, 960 Quayside Dr.; New Westminster, BC, Canada V3M 6G2; 604-522-6200, 800-444-9064 or 604-522-3972 (fax)

Discsim
Six degree-of-freedom wave-frequency motion simulator for vessels with azimuthal symmetry
Macintosh Plus or larger; hard disk drive recommended.

Discsim is a comprehensive 6 degree-of-freedom wave-frequency motion simulation for the special case of azimuthal hull symmetry. This simulation is thus suited for simulation of buoy motions and loads in single-point mooring applications and for round vessel geometries often associated with operations in the presence of persistent ice. Discsim uses an efficient algorithm for the calculation of wave-frequency forces and moments which permits accurate simulation using as input only gross hydrostatic and mass properties. A wide range of environmental conditions is accommodated, including extensive built-in wave spectral types, azimuthal spreading of wave directions and an optional independent background swell. Accelerations, velocities and displacements at any point on the vessel can be computed. Effects of finite water depth are fully simulated and either English or metric units may be selected for vessel specification and data output. Output is in the form of amplitude and phase of vessel Response Amplitude Operators (RAOs) and/or statistical characterizations of vessel response to irregular wave conditions. Simulation is carried out in the frequency domain, resulting in short execution times and unambiguous predictions of statistical response values.
$10,000 retail
SeaSoft Systems; 250 Ribera Dr., Ste. B; Santa Barbara, CA 93111; 805-683-3002 or 805-683-0440 (fax)

DitchBuilder
Design and documentation of ditches, channels and swales
Macintosh Plus or larger; Microsoft Excel 2.2 or later.

DitchBuilder offers total control over the design and documentation of trapezoidal, triangular and parabolic section ditches, channels and swales. It uses variable or static Manning's 'n factors to intelligently select ditch linings from a range of grasses, riprap sizes and synthetics, according to user-defined parameters, for both initial conditions and design storm flows. Ditch sections may be constrained by depth, width, velocity or shear stress limits. Results are automatically posted to a schedule, with construction dimensions defined. DitchBuilder is easy to use, drastically reduces computation time and includes extensive documentation and context-sensitive cell notes. DitchBuilder is System 7 compatible.
$89 retail
$4 retail; demo
StormWorks; 2321 Englewood Ave.; Durham, NC 27705; 919-286-6638 (phone/fax)

Douglas CAD/CAM Layout Systems
Printed circuit-board design and manufacturing
Macintosh 512K or larger.

Douglas CAD/CAM is a family of products for electronic design and manufacturing. Conventional assembly procedures and surface mount technology (SMT) are supported in addition to solder masks and silk-screen layers. The software is particularly flexible, accommodating a variety of grids, pads, holes and trace widths. User-definable parts are accepted and include opportunities for custom pads up to 0.400 by 0.400-inches in size. A layout area of 32 by 32 inches, 50 levels of magnification and grid sizes down to 0.001-inch are provided. Depending on a user's output needs, there are three programs available. The Basic Layout allows users to complete all design work, but requires that they send their files to Douglas to generate photoplots and/or boards. No other output is available with this package. With Douglas CAD/CAM Print, users can generate dot matrix and LaserWriter output. Douglas CAD/CAM Plot allows for both print output and pen plot output on all popular plotters. The database created during layout can be used as the basis of the fabrication process at the Douglas CAM facility, controlling each step from layout through profile routing.
$95 retail; layout software
$395 retail; with print option
$525 retail; together with print and pen plot option
Douglas Electronics, Inc.; 2777 Alvarado St.; San Leandro, CA 94577; 510-483-8770 or 510-483-6453 (fax)

Douglas CAD/CAM Professional System
Integrated electronic design and manufacturing
Macintosh Plus or larger; 2 MB of RAM.

The Douglas CAD/CAM Professional System is a fully integrated engineering tool that will take a user from the schematic drawing to the final routed board. This end-to-end system includes Schematic Capture, Professional Layout and AutoRouter. Professional Layout has all the features of the Douglas CAD/CAM Plot program, in addition to full color support on the Macintosh II, unlimited multilayers and integration with DesignWorks and AutoRouter via the part and net list. DesignWorks includes digital simulation, bussing, user-definable devices and net list generation. Under System 7, the DesignWorks and Professional Layout programs can be linked to allow selections made in one program to be automatically highlighted in the other. The programs also feature Balloon Help. AutoRouter is a command-file driven, multipass router that will handle up to 16 layers. Running under System 7, it allows interactive selection between Professional Layout and DesignWorks. Upon completing the board layout, users can transfer their files directly to the Douglas CAM facility where photoplots and/or prototype boards can be produced. Quick turnarounds of 24 hours for artwork and three days for circuit boards are available. Other add-ons to the Professional System include Gerber conversion software (both in and out), drill file creation software and an analog simulation package, MacSpice.
$1,500 retail; Professional Layout
$1,295 retail; DesignWorks (schematic capture and digital simulation)
$700 retail; AutoRouter
$250 retail; Gerber File Creator
$250 retail; GerberIn
$250 retail; GerberViewer
$150 retail; Drill File Creator
$2,500 retail; MacSpice
$150 retail; DXF File Creator
$25 retail; Professional System fully-functional demo

Douglas Electronics, Inc.; 2777 Alvarado St.; San Leandro, CA 94577; 510-483-8770 or 510-483-6453 (fax)

DragonWave 7.0
Microwave/RF simulator
Any Macintosh with FPU; 2 MB of RAM; System 7.0 or later.

DragonWave is a full-featured linear microwave/RF simulator. It includes fully integrated schematic support with back annotation, robust optimizers and powerful interactive displays. New features include full nodal noise, up to 99 external ports, polar plots and a partitioning technique to prevent unnecessary recalculations. The complete element library includes both microstrip and stripline discontinuities or users can add their own element models. Users can use variables and equations in both element parameters and output equations. Tables and graphs show calculated responses for multiple circuits as a function of any one or two user-defined variables. Integrated reports can combine multiple displays, text, pictures and schematics to make exceptional data sheets. Calculated responses include S, Y, Z, spot noise, group delay, stability and more. Any circuit can be a subcircuit with user-defined parameters. Plots feature autoscaling and tuning features.
$2,990 retail
Nedrud Data Systems; 220 Versailles Dr.; Melbourne Beach, FL 32951

DragonWave Light
Microwave and RF circuit simulator
Macintosh Classic or larger; 1 MB of RAM.

DragonWave Light is a full-featured microwave and RF circuit simulator that combines schematic circuit description, linear frequency-domain simulation and optimization with interactive display functions. It fully implements the Macintosh user interface to significantly reduce learning and design time and increase its educational potential. Circuits are created by dragging elements from a palette and connecting them together. A netlist is created automatically and can be exported to other programs. The element library includes two-, three- and four-port data blocks, microstrip and stripline discontinuities, coupled lines, transformer and voltage-controlled current source. DragonWave calculates S-parameters, group delay, NF and stability circles, and displays them in reports, XY plots and Smith charts. Graphics have markers, memory and can be continuously zoomed. Reports are user definable, right down to the decimal places, and formats can be saved as style sheets. DragonWave works under System 7, and permits pasting text and graphics into other programs.
$1,495 retail
Nedrud Data Systems; 220 Versailles Dr.; Melbourne Beach, FL 32951

DS-Concrete
Concrete beam analysis and design
Macintosh 512K or larger; 800K disk drive or hard disk drive; Microsoft Excel.

DS-Concrete allows a user to analyze and design concrete beams, plot column interaction curves and design spread footings. It consists of four programs: Concrete Beam Analysis, Concrete Beam Design, Rectangular Concrete Column Design and Spread Footing Design. The programs are designed to reduce the time required to produce engineering calculations and reduce the chance of error. Online help and numerous examples are provided in the manual to explain the function of each program. The equations used to produce the output can be viewed while in each program and are they also included in the printed copy for supporting documentation.
$195 retail; HyperCard demo available
Daystar Software, Inc.; 8120 NW Hillside Dr.; Kansas City, MO 64152; 816-741-4310 or 816-421-1956 (fax)

DS-Steel2D
Steel frame and truss design
Macintosh Plus or larger; two 800K disk drives or hard disk drive.

The DS-Steel2D program designs steel frames and trusses according to the 1989 AISC ASD code. Design information, such as loads and member lengths, may be read from Frame Mac, text files or entered manually. In addition to the standard AISC shapes included in the program, users may create their own shapes. A complete AISC stress check is calculated. This includes allowable major and minor axis bending stresses, and allowable tension or compression axial stresses. Combined stresses that exceed code requirements are indicated, allowing changes to be made to these members. Additionally, DS-Steel2D will choose optimal beam and column sizes for the given loads.
$295 retail; working demo available
Daystar Software, Inc.; 8120 NW Hillside Dr.; Kansas City, MO 64152; 816-741-4310 or 816-421-1956 (fax)

DS-Steel3D
Steel beam, frame and truss design
Macintosh Plus or larger; two 800K disk drives or hard disk drive.

DS-Steel3D designs steel beams, frames and trusses according to the 1989 AISC ASD code. A complete AISC stress check is calculated. This includes allowable major and minor axis bending stresses and allowable tension or compression axial stresses. Combined stresses that exceed code requirements are indicated, allowing quick and easy changes to be made to these members. DS-Steel3D will also perform the actual member design. At a user's option, the program will choose the optimum member size based on the loads and geometry of the member. The depth and width of the member may be constrained to meet a user's requirements. Member data may be read from Frame Mac and Multiframe output files, text files or entered manually. Changes can be made by simply selecting one or more members and entering the new information. DS-Steel3D also includes section property databases for all AISC shapes. In addition, users may enter their own shapes.
$395 retail; working demo available
Daystar Software, Inc.; 8120 NW Hillside Dr.; Kansas City, MO 64152; 816-741-4310 or 816-421-1956 (fax)

DS-Wood
Wood frame and truss design
Macintosh 512K or larger; 800K disk drive or hard disk drive; Microsoft Excel.

The DS-Wood program designs wood frames and trusses according to the 1985 AITC code. Design information, such as loads and member lengths, may be read from Frame Mac, text files or entered manually. A complete AITC stress check is calculated. This includes major and minor axis bending stresses, tension and compression stresses and horizontal shear stresses. Combined stresses that exceed code requirements are indicated, allowing changes to be made to these members.
$195 retail; HyperCard demo available
Daystar Software, Inc.; 8120 NW Hillside Dr.; Kansas City, MO 64152; 816-741-4310 or 816-421-1956 (fax)

DSP Designer
Design environment for digital signal processing
Macintosh Plus or larger; 2 MB of RAM and floating-point coprocessor recommended; System 6.0.2 or later; MPW 3.0 or later.

DSP Designer is an integrated environment for modeling and designing Digital Signal Processing (DSP) algorithms and the implementation and testing of DSP software. DSP system modeling is based on a C-like interpretative language "Z," which includes important DSP extensions, such as difference equations, complex arithmetic and digital filtering. DSP Designer also features advanced design and analysis capabilities for FIR and IIR digital filters, as well as Fourier transform analysis, with pre-defined and user-supplied window functions. Filter code generation for the Motorola DSP56000/1, DSP56156 and DSP96002 digital signal processors is provided. Real-time recording and playback from a hard disk can include digital filtering or custom DSP56001 processing code, executing on a compatible DSP coprocessor card (Audiomedia II, Sound Accelerator II or Pro Tools Audio Card from Digidesign, Inc.). DSP Designer operates as an extension of the Macintosh Programmer's Workshop (MPW). Signal waveforms and filter transfer functions are displayed as graphics windows in the MPW Shell. All DSP Designer commands may be invoked from MPW "Commando" dialogs in a pull-down menu or as textual commands written in the MPW scripting language.
$895 retail
$995 retail; bundled with MPW
Zola Technologies, Inc.; 6195 Heards Creek Dr. NW, Ste. 201; Atlanta, GA 30328; 404-843-2972 or 404-843-0116 (fax)

dV/dt
CAE timing diagram acceleration software
Macintosh Plus or larger.

dV/dt integrates digital signal waveform sketching, timing verification and test vector generation. It allows engineers to interactively perform digital design what-if calculations, such as varying clock speeds, logic types and memory speeds. In addition, it provides an automatic documentation feature that frees the designer from the tedious task of manually drawing timing diagrams by hand. Features include: interactively sketch, model, analyze and print timing diagrams; perform what-if calculations; perform common path and common part analysis; display signal edges with min./max. uncertainties; display available time between edges; define propagation symbols; generate clock signals automatically; online help; import and export symbols to/from symbol libraries; verify setups, holds, pulse-widths and cycle times; save and retrieve files; generate test vectors; and more. Timing libraries are also available.
$495 retail
Engineerium; 7968-104 Arjons Dr.; San Diego, CA 92126; 619-292-1900 or 619-292-6236 (fax)

Dynamics & Vibration Analysis
Helps engineers to analyze the vibration of structures
Macintosh 512K or larger; 2.5 MB of hard disk space; TK Solver.

Dynamics & Vibration Analysis, based on "Formulas for Natural Frequency and Mode Shape" by Dr. Robert D. Blevins, is an application that helps engineers to analyze the vibration of structures and fluids in minutes instead of hours. It allows engineers to easily solve vibration problems with forward and backward analysis and to produce plots of mode shape by simply making a menu selection.
$595 retail
Universal Technical Systems, Inc.; 1220 Rock St.; Rockford, IL 61101; 815-963-2220, 800-435-7887 or 815-963-8884 (fax)

ECA-2
Analog circuit simulation program
Macintosh 512K or larger.

ECA-2 is an analog circuit simulator that provides simulation times more than twice as fast as Spice. Graphics are plotted as the points are computed in real time. Data can also be displayed in tabular form. ECA-2 is fully interactive, or a batch mode can be used. Other features include AC, DC, transient, Fourier, temperature, worst-case and Monte Carlo analyses. An analysis can be performed at a temperature while sweeping component values. Also included are extensive non-linear capabilities, Spice-compatible models and sine, pulse, PWL, SFFM and exponential function generators.

EC-Ace is a low-cost subset of ECA-2. It offers the same interactive style; AC, DC and transient analyses; and high-quality real-time graphic output. It does not offer Fourier, worst-case, Monte Carlos analyses, commands to sweep components and some other advanced ECA-2 component functions. An upgrade from EC-Ace to ECA-2 is available.
$775 retail; ECA-2
$145 retail; EC-Ace
Educational version available
Tatum Labs, Inc.; 1287 N. Silo Ridge Dr.; Ann Arbor, MI 48108; 313-663-8810 or 313-663-3640 (fax)

Electro Bits
Circuit graphics
Any Macintosh; external disk drive or hard disk drive; MacPaint, SuperPaint, FullPaint or compatible program.

Electro Bits is a collection of more than 200 electronic elements and more than 40 microcomputer template symbols to draw circuit diagrams and flow charts. All of the elements and symbols are indexed into libraries. The program is comprised of the following libraries: Amplifiers, Audio, Capacitors, Filters, Flip-Flops, Flow Charts, Gates, Integrated Circuits, Miscellaneous, Resistors and Semiconductors. Electro Bits can be used to create schematics and circuit diagrams, generate flow charts and assembly drawings and more.

It includes more than 50 24-point schematic font symbols. It is available in English or Spanish.
$24.95 retail U.S.; $35 retail non-U.S. (also available in PictureBase and HyperCard format)
$5 retail U.S.; $7 retail non-U.S. Demo
Medina Software, Inc.; PO Box 521917; Longwood, FL 32752; 407-260-1676 or 407-260-1636 (fax)

Engineer's Aide
Integrated package of programs for process engineering calculations
Macintosh II, PowerBook, Quadras, Power Macintosh; 4 MB of RAM (640 by 400 min. resolution).

Engineer's Aide is an integrated process engineering package designed for chemical, mechanical and process engineers. Pipeline/Duct/Network sizing utilizes a patent pending Smartdraw interface to graphically model and simulate process piping systems. Nodes and equipment appear on the screen as pipelines are automatically drawn with alignment and connections guaranteed. Pump/Fan/Compressor sizing determines system requirements and compares this to a library of manufacturer's data to determine the operative condition. Heat Exchanger sizing sizes shell and tube heat exchangers for either liquid, gas, condensing or boiling on either side without supplying thermal conductivity or heat transfer coefficients. Other equipment sizing includes orifices, venturis, flow nozzles, control valves and relief valves. The Conversion Calculator provides quick conversion of hundreds of engineering units. The Project Manager provides a status summary of projects, project cost estimation and project financial analysis. The Specification Writer then provides custom specifications for purchasing any of the equipment sized in Engineer's Aide. An online fluid properties library determines fluid properties at any temperature or pressure and loads these values into any equipment sizing module. The Professional XL version contains the AIChE DIPPR database of 1,284 fluids with 39 properties.
$895 retail; English or metric
$1,395 retail; Professional version
$1,895 retail; Professional XL version
Epcon International; Epcon Building; PO Box 270; Woodsfield, OH 43793; 614-472-5300, 800-367-3585 or 614-472-1553 (fax)

Engineering Symbols Library
Design and drafting symbols
Macintosh Plus or larger; Claris CAD, MacDraw II or PowerDraw.

Engineering Symbols Library is a design and drafting symbols library that contains a wealth of two-dimensional engineering symbols precisely drawn to conform to ANSI standards. This two-disk volume contains more than 1,500 symbols commonly used by mechanical, electrical and chemical engineers and designers. Features include: graphical symbol libraries for heating, ventilating and air conditioning; heat-power apparatus; chemical process flow equipment; pipes, pipe fittings and valves; chemical structures and elemental symbols; arrows; electrical and electronics symbols; graphic symbols for electronic logic functions; welding symbols; surface texture symbols; mechanical springs; machine screws, nuts and washers; square, socket, wood and miniature screws; hex bolts; wing nuts; thumb screws; and rivets.
$79 retail; available in Claris CAD, MacDraw II, PowerDraw or PICT format
Northstar Engineering Design; 14936 Camdon Hill; Eden Prairie, MN 55347; 612-937-5038

Engineering Tool Kit
Engineering data; graphics; statistics; regression analysis
Macintosh Plus or larger.

The Engineering Tool Kit records numeric engineering data, translates data into engineering graphics form, generates statistical reports and provides best-fit curves. It is System 7 compatible.
$199 retail
Sof-Ware Tools; PO Box 8751; Boise, ID 83707; 208-343-1437 or 208-336-2536 (fax)

FaultrEase
Interactive graphics editor for fault trees
Macintosh Plus or larger; 3 MB of RAM.

FaultrEase is an interactive graphics editor for fault trees. It allows users to easily create, edit and draw fault trees. FaultrEase also performs fault tree mathematics, including mixed probability and frequency calculations, boolean reduction and cut sets. A state-of-the-art direct-evaluation algorithm computes statistics and cut sets in near real time for even very large trees. As users edit the fault tree, FaultrEase automatically calculates the placement of symbols, labels and other annotation. This lets users concentrate on the content of the tree rather than on the form. As a result, users can rapidly create new trees or modify existing ones. FaultrEase provides all of the symbols from the industry standard reference "Fault Tree Handbook" (NUREG-0492). The program allows a wide variety of presentation options and generates report-quality printouts. Standard Macintosh user interface conventions are observed throughout.
$475 retail
Arthur D. Little, Inc.; Acorn Park; Cambridge, MA 02140; 617-498-5476 or 617-498-7161 (fax)

Flow-Mate
Engineering HyperCard stack
Macintosh Plus or larger; HyperCard 1.2.5 or 2.0 (specify which).

Flow-Mate is a user-friendly, graphical-oriented, technical HyperCard stack that provides engineering data and analytical capabilities for fluid design and engineering professionals. It includes a corrosion compatibility chart, conversion factors, a saturated steam table, liquid, gas and material properties tables, plus steel pipe data. An analysis menu allows users to calculate valve liquid, gas and steam flow rate, Cv or differential pressure drop, valve noise and common valve parameters. In addition, users can analyze pipeline flow and minor losses in various flow devices, calculate surface areas and volumes for different solid shapes, calculate minimum allowable wall thicknesses for various pressure vessels, plus determine pressure temperature ratings for different valve trim materials. Flow-Mate also contains generic information with regards to different styles of valves and different types of actuators, as well as extensive online help to aid users in fully utilizing this stack. The full version is not copy protected.
$50 retail
$10 retail; working demo version (credited towards purchase of full working version)
Ronald A. Olansen; Macintosh Rd.; Lyme, CT 06371

Flyback Converter Magnetics Design Software Mark VI
Enables a user to design buck converters, boost converters, inverting buck-boost converters and isolated multioutput buck-boost converters
Macintosh 512K or larger; Microsoft Basic.

Flyback Converter Magnetics Design vastly simplifies the design process by allowing engineers to design continuous or discontinuous current flyback magnetic components in a fraction of the time usually required. Using this program reduces design time by quickly picking up files generated by FileMaker. The program can stand alone or operate with Magnetic Core Data Conversion with FileMaker. Flyback Converter Magnetics Design enables a user to design buck converters, boost converters, inverting buck-boost converters and isolated multioutput buck-boost converters. With this software tool, a user can optimize magnetic components designs for efficiency, size, weight, copper loss, core loss, number of turns, temperature rise and cost. The program includes a working database of nine different materials and 10 molypermalloy powder cores. Programs available in the package include: Continuous Currents; Discontinuous Currents; Buck Flyback Converter; Boost Flyback Converter; Buck-Boost Flyback Converter; Inverting Buck-Boost Converter and Sample Computer Printouts.
$110 retail; no charge for updates
KG Magnetics, Inc.; c/o Sherwood Associates; 2135 Huntington Dr., Ste. 201D; San Marino, CA 91108; 818-568-8443 or 818-568-8534 (fax)

Frame Mac
Structural frame analysis and design
Macintosh Plus or larger; floppy disk drive or hard disk drive; ImageWriter or LaserWriter.

Frame Mac analyzes and helps design two-dimensional frames and trusses, as well as any beam. The program allows any number of nodes, supports, elements and static loads, including node, element, sloped, moments and trapezoidal, to be distributed. Each node may be rigid or partially or fully hinged; each element can have its own characteristics. There can typically be up to about 200 nodes and 400 elements per MB of RAM. A user can draw and change structures and loads with the mouse and/or keyboard; change scale, units and decimal format; apply loads in groups with factors using the stiffness matrix method; and more. A main window shows the original and/or deflected shape, loads, etc. A separate window shows elements with loads, tension, shear, moment and deflection. Another window shows any node as a free body with all loads, forces and moments acting on it. Four other windows show input text, output text and section table.
$595 retail
Compuneering Inc.; 113 McCabe Crescent; Thornhill, Ontario, Canada L4J 2S6; 905-738-4601 or 905-738-5207 (fax)

GD&T E-BOD
Geometric tolerancing; electronic book on disk
Macintosh 512K or larger; external disk drive or hard disk drive; Microsoft Excel 3.0.

GD&T E-BOD is an electronic book on disk. It begins by detailing the difference between U.S., Canadian and European rules, Interpretations and theories and develops the entire GD&T system using the U.S.A. vision. Prior to the discourse on Geometric Tolerancing, users learn of Gladman's papers and how he energized the mini revolution toward Geometric Tolerancing. Each concept, usage, theory, etc., and all symbology is broken down and explained, eventually leading a reader to the logic as to why the mechanics of, and system itself, is necessarily the way it is. Stepped analysis is used in positional and other calculations. An entire section is devoted to metric and customary "Limits and Fits"; the Geometric Tolerances are more graphically explained than those in other books. It features large graphics and is not protected.
$23 retail
International Geometric Tolerancing Institute, Inc.; 2943 Cortina Dr.; San Jose, CA 95132; 408-251-7058

Gear Analysis On TK
Expert system software and TK Solver Plus models
Macintosh Plus or larger; 1 MB of RAM.

Gear Analysis on TK is expert system software along with more than 75 TK Solver Plus models. The expert system will optimize center distance, backlash, addendum/dedendum changes (cutter feed), design tooling, check for probability of gears, minimized weight and much more. It allows users to reduce manufacturing costs as much as 40 percent and save on design time as much as 80 percent.
Call for pricing
Universal Technical Systems, Inc.; 1220 Rock St.; Rockford, IL 61101; 815-963-2220, 800-435-7887 or 815-963-8884 (fax)

Heat Transfer On TK
Solves heat transfer problems
Macintosh 512K or larger; hard disk drive.

Heat Transfer on TK offers engineers a comprehensive software tool for thermodynamic analyses. It is based on the third edition of "Fundamentals of Heat and Mass Transfer," by Incropera and DeWitt. Heat Transfer on TK covers more than 250 models and includes an expandable table for gas, fluid and material properties. The program utilizes a sophisticated menuing system developed by Universal Technical Systems, Inc. (UTS). The UTS Menuing System allows users to quickly locate, load and merge any of the desired cases. Users can quickly plot the results and analyze many different design alternatives in minutes.
$595 retail
Universal Technical Systems, Inc.; 1220 Rock St.; Rockford, IL 61101; 815-963-2220, 800-435-7887 or 815-963-8884 (fax)

HEC-1
Flood hydrograph computation and watershed modeling
Macintosh Plus or larger; 1 MB of RAM (2 MB recommended); hard disk drive; math coprocessor supported, if available.

HEC-1 allows water resource engineers to simulate the surface runoff response of a river basin to precipi-

tation by representing the basin as an interconnected system of hydrologic and hydraulic components. The result of the modeling process is the computation of stream flow hydrographs at desired locations in the river basin. Features have been added to the original Corps of Engineers program to make it more than just another "port" to the Macintosh. In addition to a complete Macintosh interface for basic run-time options, this version provides an optional tab-delimited file for all sub-basin data suitable for direct import to any spreadsheet or graphing program, and runs in the background under MultiFinder. HEC Data Storage System (DSS) capability is also provided. HEC-1 is fully compatible with System 7, virtual memory and 32-bit addressing.
$395 retail
Hydrotech Microsystems; PO Box 40184; Portland, OR 97240; 503-257-6926

HEC-2
Water surface profiles
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; math coprocessor supported, if available.

HEC-2 is an industry standard program that allows water resource engineers to determine water surface profiles for steady, gradually varied flow in natural or man-made channels. Both subcritical and supercritical flow profiles can be calculated. Features have been added to the original Corps of Engineers program to make it more than just another "port" to the Macintosh. In addition to a complete Macintosh interface for basic run-time options, this version provides an optional tab-delimited file of all summary table data (sorted by profile, not cross section) suitable for direct import to any spreadsheet or graphing program, and runs in the background under MultiFinder. The EDIT-2 data checking program is included, and has been enhanced to allow change of run-time options on the fly if the desired options are not present in the HEC-2 data file. HEC-2 is fully compatible with System 7, virtual memory and 32-bit addressing.
$395 retail; includes EDIT-2 data checking program
Hydrotech Microsystems; PO Box 40184; Portland, OR 97240; 503-257-6926

HEC-5
Simulation of flood control and conservation systems
Macintosh Plus or larger; 2.5 MB of RAM (4 MB recommended); hard disk drive; math coprocessor supported, if available.

HEC-5 allows water resource engineers to simulate the sequential operation of a reservoir-channel system with a branched network configuration. Any computational time interval from one minute to one month can be used, depending on the detail required. Sizing of conservation demands or storage can be automatically performed, using the safe yield concept, and economic computations can be provided for hydropower benefits and flood damage evaluation. The HEC Data Storage System (DSS) is supported in this enhanced version of the original Corps of Engineers program. In addition to a complete Macintosh interface for basic run-time options, this version will run in the background within the MultiFinder environment. The CKHEC-5 data checking program is included to minimize data input errors. HEC-5 is fully compatible with System 7, virtual memory and 32-bit addressing.
$595 retail; includes CKHEC-5 data checking program
Hydrotech Microsystems; PO Box 40184; Portland, OR 97240; 503-257-6926

HEC-WRC
Flood flow frequency analysis
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; math coprocessor supported, if available.

HEC-WRC was developed to perform a thorough analysis of peak flow data applying the log-Pearson Type III distribution. Methodology conforms fully to WRC Guidelines Bulletin 17B. It properly weighs the computed skew coefficient with the input generalized skew coefficient; performs a conditional probability adjustment for missing data; produces results that account for high and low outliers; properly incorporates any historical events; computes confidence limits specified by a user; and provides additional output of the frequency data using the expected probability adjustment. Hydrotech's version of this Corps of Engineers program takes advantage of the Macintosh user interface, and produces tab-delimited output of all computations suitable for direct import into any spreadsheet or plotting program. HEC-WRC runs in the background under MultiFinder and is fully compatible with System 7, virtual memory and 32-bit addressing.
$195 retail
Hydrotech Microsystems; PO Box 40184; Portland, OR 97240; 503-257-6926

HiQ
Integrated system for solving engineering and scientific problems
Macintosh SE/30 or larger; 4 MB of RAM; coprocessor.

HiQ is a powerful, integrated environment for solving real world engineering and scientific problems on a Macintosh — from elementary academic problems to the most complex industry projects. Four components work together in HiQ to complete projects quickly and logically. The Project Worksheet is a transparent interface that lets users dynamically organize and manipulate numerical data, two- and three-dimensional graphs, HiQ-Script programs, annotated text and HiQ's Problem Solvers. HiQ-Script is a structured programming language, designed specifically for engineers and scientists, that intrinsically contains HiQ's mathematical functions. Problem Solvers are graphical interfaces for solving standard applied math problems that automatically generate HiQ-Script code along with numerical and graphical results. The Analysis Engine is a core of more than 600 mathematical and graphical functions ranging from standard lower-level functions to many of the world's most powerful mathematical programs.
$995 retail
Bimillennium Corp.; 16795 Lark Ave., Ste. 200; Los Gatos, CA 95030; 408-354-7511, 800-488-8662 or 408-354-4388 (fax)

Igor Filter Design Lab (IFDL)
Interactive design, evaluation and application of Finite Impulse Response digital filters
Macintosh Plus or larger (Macintosh SE/30 or II recommended); 1.5 MB of RAM available to Igor; Igor V1.22 or later; System 6.0.2 or later.

The Igor Filter Design Lab (IFDL) is a sophisticated and flexible environment for the interactive design, evaluation and application of Finite Impulse Response (FIR) digital filters using the Macintosh. Built upon and requiring Igor, WaveMetrics' scientific and graphing application, IFDL automatically provides extensive and flexible data analysis, publication-quality graphics and super-fast interactive screen graphics. Applications of IFDL include the design of FIR filters for use with external programs, hardware or within Igor to filter data and experimenting with Digital Signal Processing (DSP) techniques.
$150 retail
WaveMetrics; PO Box 2088; Lake Oswego, OR 97035; 503-620-3001 or 503-620-6754 (fax)

Inertia
Engineering modeling, analysis and design system
Macintosh II family.

Inertia is many different software packages integrated under one multitasking shell to allow for seamless integration of engineering tasks. Inertia simulates testing and prototyping for automotive, aerospace, mechanical, structural, civil and architectural engineers. Multiple modules make up the Inertia product for the following tasks: FEA (InSolid), Heat transfer (InThermal), kinematics and mechanical dynamics (InMotion), Dynamic Analyses (InDynamic), engineering properties (InProp), nonlinear structural analysis (InPlastics) and Structural Design (InFrame). Inertia interfaces with CADDs 5 directly through MCAE's integration product, INCads. This interface is a binary integration achieved through use of CV Dors. Inertia has compliance with standard user interface guidelines such as Microsoft Windows, Apple Macintosh, OSF/Motif, as well as Sun Open Look. Interia uses the latest algorithms in engineering to provide high-ly accurate results in high-performance environments.
$3,000 retail; per product
Modern Computer Aided Engineering, Inc.; 8425 Woodfield Crossing Blvd., Ste. 221; Indianapolis, IN 46240; 317-469-4140, 800-444-6223 or 317-469-4130 (fax)

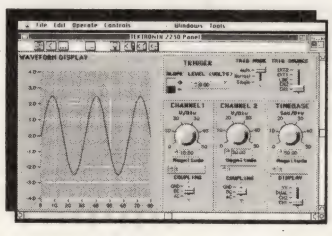
Instrument Archive V4.1
Instrumentation and control
Macintosh II family; 4 MB of RAM; hard disk drive; 12-inch screen.

Instrument Archive is a is a multiuser management system for instrument, process control and maintenance professionals in the petrochemical, petroleum, chemical, pulp and paper, and mining industries. Designed and used for project engineering, as well as on-going process requirements, Instrument Archive allows complete specification and description of instruments used in process control. Special emphasis is placed upon the capability to generate datasheets and to configure user reports. Three extensions are available, which may be added at any time. Maintenance Access allows maintenance and calibration disciplines to look up, amend and track instrument performance. Honeywell DCS Configuator allows generation of Honeywell TDC 3000 Process Manager exception builds files directly from Instrument Archive. It allows direct read/writes to Honeywell-formatted Bernoulli cartridges. AutoCAD P&ID Link provides a link from the database to AutoCAD Process and Instrument drawings, allowing ceation and update of database to/from P&ID.
Call for pricing
QIC Systems, Inc.; 531 Main St., #1175; El Segundo, CA 90245; 310-322-0386 or 310-322-6435 (fax)

Knowledge Revolution Working Model
Motion simulation for animators and engineers
Macintosh II or larger; 4 MB of free RAM; hard disk drive with 3 MB of free space; System 7.0 or later.

Now users can visually build and export motion using Working Model. Falling, colliding, bouncing — anything imaginable is as simple as draw and click. Working Model's precise dynamic simulation engine lets users create objects with real physical attributes like mass and elasticity and then apply real forces like gravity and wind. Working Model features a dynamic Smart Editor that lets users move objects as in the real world — a chain stretches when a single link is pulled on. Artists can quickly build moving systems and export directly to Macromedia Three-D, or a host of other animation and CAD programs. Engineers can rely upon Working Model's 20 digits of accuracy, variable time-step calculations and exportable data to create stunning moving simulations.
$495 retail
Knowledge Revolution; 66 Bovet Road, Ste. 200; San Mateo, CA 94402; 415-574-7777, 800-766-6615 or 415-574-7541 (fax)

LabVIEW
Complete graphical programming system with built-in compiler for data acquisition, analysis, presentation and instrument control
Power Macintosh or any Macintosh with a coprocessor; 8 MB of RAM; hard disk drive; System 6.0.4 or later; 32-bit QuickDraw.



LabVIEW (Laboratory Virtual Instrument Engineering Workbench) is a graphical programming system for instrumentation. LabVIEW features a unique icon-based compiled programming language and user front panel interface for engineering and scientific applications. Users can build interfaces that make it quick and easy to train operators to use the software. Users program these virtual instruments (VIs) by building block diagrams. Users can acquire data from GPIB, VXI, RS-232 instruments, or from National Instruments plug-in data acquisition boards. Users can control more than 400 instruments by the ready-to-use icons in the Instrument Library. Analysis functions in

These Products Available Through Bottom Line Distribution
1-800-347-1923

LabVIEW include statistical processing, array manipulation and digital signal processing. Application areas include process monitoring and control, laboratory automation, instrument control, manufacturing automation, automated test, signal processing, simulation, design and classroom instruction. Users can execute complete VIs with run-time systems for run-only test stations or use the LabVIEW Application Builder to create stand-alone executables for distribution. Also available is the Test Executive Toolkit, a powerful, flexible package for automated sequencing of test programs. LabVIEW applications are compatible with LabVIEW running on Windows-based PCs and Sun SPARCstations. A native version for Power Macintosh is available.
$1,995 retail
$495 retail; LabVIEW Run-Time System (requires 4 MB of RAM)
$995 retail; Application Builder
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

LabVIEW Driver Package
Integrates DSP hardware with LabVIEW
Macintosh Plus or larger.

LabVIEW Driver is a software package designed to assist engineers and researchers in integrating Spectral Innovations' DSP hardware with LabVIEW software from National Instruments. LabVIEW is a graphical programming environment for data acquisition, analysis and display based on the concept of virtual instruments, software modules that are packaged graphically to have the look and feel of real instruments. The Spectral package includes more than 100 virtual instruments for windowing, filtering, statistical functions and matrix mathematics, as well as other analysis and DSP routines.
$495 retail
Spectral Innovations, Inc.; 1885 Lundy Ave., Ste. 208; San Jose, CA 95131; 408-955-0366 or 408-955-0370 (fax)

LapCAD
Finite element modeler
Macintosh Plus or larger, including PowerBook 100; 2 to 8 MB of RAM; 20 MB hard disk drive.

LapCAD simplifies finite element modeling for MSC/pal and MSC/Nastran. Finite element specific formatting and complex geometric computations are replaced with simple manipulation of highly visible graphics. The postprocessing capability includes color shaded stress contours, animation of deformed shape and point and click inquiry mode. LapCAD has all of the built-in features that allow construction of model geometry, similar to the way three-dimensional objects are developed with a CAD program. These features include copying, mirroring, rotation, translation, expansion, contraction, deletion and snapping together, as well as linear and circular extrusion. All manipulations take place in either the global coordinate system or any user-defined system. Built-in macros allow for easy starting points for many objects. Finite element features are implemented into LapCAD, such as application of physical properties and external forces and constraints. New features include: automatic cursor, line/surface conversion, element orientation, layering, edge plot, pressure gradient, model checking, line edit, user solution format and multiload cases. These quantities can also be echoed back in a graphical manner that allows for easy verification. The program handles up to 15,000 nodes and elements. LapCAD imports DXF and IGES files. It also computes the volume enclosed by complex parametric spline surfaces. LapCAD is System 7 compatible.
$95 to $595 retail
LapCAD Engineering; 7710 Balboa Ave.; San Diego, CA 92111; 619-467-1947

LaserTechFonts 3.1
Scientific equation and electronic circuit fonts
Any Macintosh; System 6.0 or later.

LaserTechFonts is a package of nine technical writing and drawing fonts. SciFonts, used for typing equations, contains the following individual fonts: Scientific, SubScientific, SuperScientific, Fraction and Cursive. Each font contains the English alphanumeric set of characters. All but the cursive font also contain mathematical and Greek character sets and can be used to create two levels of subscripting or superscripting. These same fonts are appropriate for typing subscripts on superscripts, and vice versa. They can also be used to type summations, integrals, partial derivatives and other expressions. Special overtyping characters allow dots, dashes, hats, tildes, arrows, square roots and strike-outs over characters.

ElectroFonts, used when typing or drawing electronic analog and digital circuits, contains the following fonts: Electronic, ElectronicDraw, Digital and DigitalDraw. Electronic and ElectronicDraw contain all standard analog circuit symbols. Digital and DigitalDraw contain all standard digital logic circuit symbols. Electronic and Digital may be used together in a word processor for circuits containing both analog and digital symbols. ElectronicDraw and DigitalDraw may be used together in a drawing or painting program. Manual and keyboard layouts are included, as are PostScript printer files and screen display fonts.
$139 retail
Nisus Software, Inc.; PO Box 1300; 107 S. Cedros Ave.; Solana Beach, CA 92075; 619-481-1477, 800-922-2993 or 619-481-6154 (fax)

LifeFrak
Estimates creep remaining life of power plant piping
Macintosh Plus or larger; 2 MB of RAM; 800K disk drive; System 6.0.4 or later.

LifeFrak calculates the creep remaining life of the chromium-molybdenum (Cr-Mo) steels that are prevalent in power plant, high temperature piping. The application not only estimates remaining life, but also calculates when various stages of creep had occurred in the past. LifeFrak calculates the end-of-life for Cr-Mo steels based on metallographic assessment of creep cavitation and on the age of the steel. Hours and dates for creep cavity progression and for the end-of-life are shown graphically. The application also recommends a reexamination date. Because it calculates the past progression of creep cavitation, it is also useful as a failure analysis tool.
$195 retail
Datalloy Inc.; PO Box 881; Cary, NC 27512; 919-481-1074 or 919-481-9766 (fax)

Logic Tutor
Digital switching logic instruction
Macintosh Plus or larger.

Logic Tutor is an evolving and expanding set of interactive instructional programs for the study of digital switching logic. The endlessly varied multiple lessons for each subject are done in such a manner that users will learn the material, not just memorize a few screens. The contents include illustrations of I/O tables, circuit and timing diagrams, exercises and simulations in six topical segments: combinational logic (single gate, product of sums/sum of products and general logic circuits; logic function exercises at three difficulty levels involving Karnaugh Maps and Quine-McClusky reduction procedure; tests users in device simulations of multiplexers, PLAs, segmented and dot matrix displays and sequential programmed logic devices; users may do exercises on Flip Flops and counters; users may do exercises on synchronous and asynchronous state machines; and includes digital arithmetic, such as base conversions, binary-hexadecimal addition, two's complement addition and more.
$49 retail
Tatum Labs, Inc.; 1287 N. Silo Ridge Dr.; Ann Arbor, MI 48108; 313-663-8810 or 313-663-3640 (fax)

LogicWorks
Digital circuit design package
Macintosh Plus or larger; hard disk drive recommended.

LogicWorks is an educational digital circuit design package that features a fully interactive "live" simulation, user-definable devices, logic-analyzer timing diagram output and more. Additional features include: an unlimited number of circuit windows can be opened at once; "strip-chart" printing mode allows the simulated circuit output to be printed continuously on an ImageWriter or LaserWriter; PICT file output of circuit and timing diagrams; "autonaming" features allow automatic generation and positioning of sequential names and pin numbers; arbitrary groups of devices and signals can be selected for Cut/Copy/Paste operations; circuit simulation can be performed as a background task concurrently with other applications; and more. The package includes a set of 7400-series device libraries (40 devices), analog and LSI symbol libraries (no simulation) and net list utility. The full 7400 libraries (200 devices) are available separately.
$60 retail
Capilano Computing, Ltd.; #406, 960 Quayside Dr.; New Westminster, BC, Canada V3M 6G2; 604-522-6200, 800-444-9064 or 604-522-3972 (fax)

MacAbel
Programmable logic device design
Macintosh Plus or larger; 4 MB of RAM; System 6.0.3 or later.

MacAbel is the Macintosh version of the industry standard Abel PLD design software for creating, modifying and simulating PLDs. Exclusively developed for the Macintosh, MacAbel provides all the high-performance features and device support of Abel on the PC. The MacAbel PLD library supports many PLD architectures. Designs can be entered using any combination of high-level language equations, state diagrams or truth tables. MacAbel includes the powerful Abel Hardware Description Language and superior logic reduction. MacAbel creates programmer load files in the JEDEC standard 3A and is compatible with any programmer supporting this standard. In combination with the DesignWorks schematic capture and digital simulator interface, MacAbel provides a fully integrated PLD solution. DesignWorks will allow PLD designs to be simulated interactively in their complete circuit environment.
$1,995 U.S. retail; single-unit price
$2,640 U.S. retail; combined DesignWorks/MacAbel package
Capilano Computing, Ltd.; #406, 960 Quayside Dr.; New Westminster, BC, Canada V3M 6G2; 604-522-6200, 800-444-9064 or 604-522-3972 (fax)

MacAdam
Road design
Macintosh II; 4 MB of RAM; HD20.

MacAdam is a graphic and interactive program for road design and earthwork calculation. MacAdam is organized in accordance with the two methodologies of the ground data insertion: dotting or section mounting with further development of the project (plan, longitudinal profile and cross sections). The country survey of point coordinates can be loaded into the calculator by numerical input or by a wild electronic disastimeter by means of a GR3 field computer, or by ASCII text file. By means of an interpolation of successive triangles, MacAdam creates a grid over the whole ground and checks the presence of eventual errors. Once created, the program will work out the contour lines, their equidistance being user definable. The road planning is performed at the same time on three views: plan, longitudinal profile and cross section. The program will consider single stretches of road identified by three vertexes. A user can also insert fixed radius curves and Cornu spirals. A graphics editor allows the input of topographic information into the plan. After the road axis outline is inserted into the plan, MacAdam calculates the ground profile. The final altimetric section with its relative road bumps will be settled over it. The cross sections are realized once axis designing in plan and profile is achieved. The cross section shape can be selected from a library. The same procedures are taken for face walls, offlets and fosses, which are available in an open-structure library.
6.200.000 Italian Lire
Cigraph s.r.l.; Via Orsato, 38; 30175 Mestre (VE), Italy; 041-932388 or 041-920031 (fax)

MacBeam
Reinforcement design
Macintosh Plus or larger.

MacBeam is a reinforcement design program. It uses both allowable stress and limit states design methods (Eurocode 2). Combined axial force and bending moment is considered. Design is carried out for automatic combinations of eight basic load cases. The bar layout is displayed and can be modified, if required, in an easy, graphical way. All of the modification effects are represented in color diagrams and are taken account for stress checks, interaction diagrams, bar list, etc. A large-format sheet is used so that many groups of elements can be dealt with at the same time. IGES format is supported.

$1,770 U.S. retail
Softing s.r.l.; Via Reggio Calabria, 6; 00161 Rome, Italy; 39-6-44290900, 39-6-44291061 or 39-6-44235715 (fax)

MacCad
Twelve separate drafting templates for engineers and architects for use with MacDraw, MiniCad, MacDraft, SuperPaint
Macintosh 512K or larger.

MacCad Architecture consists of three separate symbol libraries: Residential Architectural Design, Commercial Architectural Design and Layout Planner. These libraries are shown in plan and elevation views and are offered in 1/8-, 1/4- and 1/2-inch. The Drafting Toolkit contains ANSI border sheets in sizes A to E to customize the title block.

MacCad Electrical and Electronic symbols are vector graphics and are drawn to IEEE standards and are supplied in three different sizes. Two-State Logic, Analog & Digital Logic and Composite Assemblies are covered in this package and in the Flow Charts and Logic package.

MacCad Mechanical Design package symbols are also vector graphics and drawn to ANSI standards. These include HVAC, valves, fasteners, etc.

MacCad Piping consists of three comprehensive separate symbol libraries: Single Line Orthographic Piping, Two-Line Orthographic Piping and Single Line Isometric Piping. All symbols are vector graphics and drawn to ANSI standards. All valve and fitting symbols, drawn to Crane Co. standards, are scaled (one inch equals one foot) and are shown in three orthogonal views. A complete set of Mechanical Flow symbols are included.
$69 to $249 per package retail; Architecture, Electrical & Electronics, Mechanical Design, Piping
CompServCo; Ted Schooley; 1921 Corporate Sq.; Slidell, LA 70458; 504-649-0484 or 504-649-3849 (fax)

MacCulvert
Culvert analysis program
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0 or later.

MacCulvert has the capability to analyze different types of flow regimes that are encountered within culvert design and analysis. The approach taken is similar to the design concepts used within the HEC-5 design methodology. Pressure flow or a combination backwater and pressure flow analysis is accommodated through proper analyzing techniques to develop the computed headwaters. This program helps designers of culverts in both the analysis of existing culverts and for the design of new culverts. The objective of this program is to allow designers to experiment with different culverts to help design the most cost effective and hydraulically efficient culvert. The results of the culvert analysis are displayed and can be printed in table format similar to the traditional HEC-5 culvert analysis worksheet.
$100 retail
Engineered Solutions; PO Box 391; Geneva, FL 32732; 407-349-9985

MacDSP Lab For IPLab
Hardware/software bundle targeting scientific imaging professionals
Macintosh II family.

MacDSP Lab for IPLab is a hardware and software accelerator system compatible with IPLab, comprehensive scientific image processing software from Signal Analytics Corp. Spectral Innovations enhancements take the form of a set of IPLab Extensions that users simply drag to their IPLab folder. These Extensions take advantage of the MacDSP hardware from Spectral Innovations to provide image processing and analysis functions that operate at four to 10 times the speed of similar functions in IPLab. The combination of hardware and software is targeted for image processing users in scientific, laboratory, government and industrial applications where speed and processing throughput are essential.
$295 retail; set of IPLab Extensions
$2,195 retail; gray-scale/pseudo-color package (includes IPLab, the MacDSP256KN accelerator and Extension software)
$2,395 retail; full-color package (includes IPLab Spectrum, the MacDSP256KN accelerator and Extension software)
Spectral Innovations, Inc.; 1885 Lundy Ave., Ste. 208; San Jose, CA 95131; 408-955-0366 or 408-955-0370 (fax)

MacDSP-APL
Array processing libraries for C, Pascal, Basic and Fortran
Macintosh SE/30 or II family; 1 MB of RAM.

The MacDSP-APL is designed for algorithm development, analog input and output from high-level languages and acceleration of scientific programs. It contains more than 150 precoded vector, matrix, math, filtering and DSP routines that let a user take advantage of the MacDSP floating-point coprocessor boards and data acquisition daughter cards. Routines are callable from LightspeedC, Lightspeed Pascal, MPW C, MPW Pascal and Basic. The MacDSP-APL memory manager optimizes use of the MacDSP processor memory and makes hardware considerations transparent to programming.
$495 retail
Spectral Innovations, Inc.; 1885 Lundy Ave., Ste. 208; San Jose, CA 95131; 408-955-0366 or 408-955-0370 (fax)

MacFlood Route
Hydrograph and routing package
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0 or later.

MacFlood Route is a flood routing program that generates hydrographs and uses the storage indicating method for flood routing through a stage/storage/discharge curve. Users specify curve, and quick adjustments can be made to help in designing a system. The program includes detention design routine for graphically displaying and calculating required retention/detention volumes for stormwater facilities. Once the stormwater storage volume is computed, a volume analysis routine can be used to determine estimated areas required for stormwater retention/detention areas. As an added feature, open channel flow calculations can be performed on several typical ditch/swale sections for normal depth and backwater effects.
$200 retail
Engineered Solutions; PO Box 391; Geneva, FL 32732; 407-349-9985

MacRoad V3.6
Road design
Macintosh Plus or larger; 1 MB of RAM.

MacRoad is a program that lets users design roads as they always have — graphically. It can be used without the need to learn complicated commands or special formulae. All design is done on the screen. If a user changes any part of a design, the program instantly recalculates these changes and updates the screen views of the road. Drawings can be produced on printers and plotters or transferred to other Macintosh applications. MacRoad provides users with the capability to: create a terrain model of a survey; draw typical sections from a palette of tools representing curb and pavement types; visually locate the horizontal and vertical alignment using the mouse; switch instantly between views of the profile, plan, cross sections, typical sections or schedule of quantities; create a three-dimensional drive through simulation; automatically calculate and apply superelevation and plan transitions; and design in metric or imperial units at a range of scales. MacRoad also includes terrain modeling, smooth contouring and an interface to survey data loggers.
$2,000 retail
Corporate Software Solutions, Inc.; 3700 Vanguard Dr.; Ft. Wayne, IN 46809; 219-478-8088 or 219-747-5894 (fax)

MacSap
Finite element system
Macintosh II family.

MacSap is a linear and non-linear elastic static and dynamic analysis program for three-dimensional structures. The Finite Element Method is used. The FEM mesh is built in a very easy and clever way using the graphical interface of the Macintosh. Input and output data are both numerically and graphically represented to check the structure model and the analysis results. A large finite elements library is supported with 2-node, 3-node, 4-node and 8-node elements. Static analysis for six basic load cases, modal analysis, response spectrum technique, time history and step-by-step integration are provided. A very efficient non-linear analysis for geometric non-linearity is available for truss and beam elements. Optimized for Power Macintosh.
$4,900 U.S. retail; base version
Softing s.r.l.; Via Reggio Calabria, 6; 00161 Rome, Italy; 39-6-44290900, 39-6-44291061 or 39-6-44235715 (fax)

MacShapes
Geometric and structural properties tool
Macintosh Plus or larger; floppy disk drive or hard disk drive; ImageWriter or LaserWriter.

MacShapes allows a user to draw and change any combination of rectangular and circular shapes and to immediately see dozens of geometric and structural properties. Features include: use the mouse and/or keyboard to change defaults, to draw, move, align, change or resize shapes and more; the ability to change properties, shades or sizes of groups of shapes; the ability to change colors or shades of gray with a Macintosh II; change scale, ruler, units, decimal format, etc., by clicking; choose what will appear in each of the three windows from a list of nearly 40 properties (the diagram window shows shapes with optional text, the list window shows information on each shape and the summary window shows sum of areas, average density and modulus of elasticity, total moment of inertia, etc.); print anything directly on an ImageWriter or LaserWriter; save or copy information in a variety of formats for use by other programs, including spreadsheets; undo almost any command; open multiple documents; compatible with large screens, System 7, networks, MultiFinder, etc.; auto scrolling; choose from English and metric units; seven decimal digit precision for all math; and more.
$145 U.S. retail
Compuneering Inc.; 113 McCabe Crescent; Thornhill, Ontario, Canada L4J 2S6; 905-738-4601 or 905-738-5207 (fax)

MacSigma-2000 Optical Design Software Series
Optical design series
Macintosh SE/30 or larger; 4 MB of RAM; hard disk drive; System 7 or later.

The MacSigma-2000 is an integrated optical analysis and design program package for optical scientists and engineers, and for teaching university-level optics. MacSigma-2000 consists of a main program and several add-on modules. The main program (three levels available) provides a full set of optical analysis features, including Gaussian beam calculations, diffraction-based MTF, ghost analysis, athermalisation, etc. Powerful optimization can use OPD, MTF or thermal effects as a target. Multiconfigurations (zooms, scanners, multichannel systems) are implemented. The program supports spherical, conic, aspheric, cylindrical, toroidal, diffracting, holographic and gradient-index surfaces. All tables and drawings can be printed in report-quality graphics. The program can generate DXF CAD files. Seven glass catalogs and catalog parts from leading suppliers are provided. The Illumination Analysis Module allows the analysis of problems of non-imaging optics and light energy distribution after passing through an optical system. The Narcissus Analysis Module evaluates the contributions of optical surfaces to the spurious Narcissus optical signal in IR optical systems. The package is written in C/C++. Quality online help and free technical support are provided.
$695 retail; Level 1
$5,995 retail; Level 2
$8,495 retail; Level 3
$1,225 each retail; Illumination Analysis Module; Narcissus Analysis Module
A free demo disk is available
Kidger Optics Ltd.; 9A High Street; Crowborough; E. Sussex TN6 2QA; +44 892 663555 or +44 892 664483 (fax)

MacStorm Sewer 3.0
Storm sewer analysis program
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0 or later.

MacStorm Sewer aids in the analysis and design of storm sewers. It computes flows to storm sewers by the rational method using the Florida Department of Trans-

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1-800-347-1923

portation (FDOT) rainfall intensity curves or Hydrograph methods. Flows are computed from inputted areas and time of concentrations. The hydraulic gradient is computed by analysis of pressure and open channel flow regimes based on the physical conditions of a given sewer system. Output from the program can be displayed identically to the typical FDOT storm sewer tabulation form with all pertinent information calculated and shown. The combination of menus and data input allows for efficient operation in designing a system. MacStorm Sewer creates a DXF file for drainage structures and profiles based on entered data from the tabulation sheet. Structures are labeled and sized according to physical characteristics of the storm sewer system.
$550 retail
Engineered Solutions; PO Box 391; Geneva, FL 32732; 407-349-9985

Magnetic Core Data Conversion Software Mark VI
Creates and stores core data files for use in future designs with FileMaker
Macintosh 512K or larger; Microsoft Basic.

Magnetic Core Data Conversion software is designed for use with the two other software programs, Flyback Converter Magnetics Design and Specialty Design Magnetics. Magnetic Core Data Conversion creates and stores core data files for use in future designs. It was created primarily to augment the other four programs and to assist users in keeping up-to-date with the latest magnetic core conversion data for all newly manufactured cores and special cores that are not found in the book Magnetic Core Selection for Transformers and Inductors. The program can be used to design new core configurations for applications that require odd shapes or minimum space. This program guides the user through the design process with step-by-step instructions in a series of menus, prompts and error messages making the program easy and flexible, even for the inexperienced microcomputer user. This program incorporates nesting and sorting routines that are used to consolidate all similar cores into a single file. They can be nested and sorted by manufacturer and type. After the cores are sorted, an engineer can use the Print program to obtain a hard copy of the data that is listed in the file. The hard copy can be used for quick reference when designing magnetic components. Programs available in this package include: EI & EE Laminations; DU & L Laminations; MPP Powder Toroids; UU & UI Ferrites; EI & EE Ferrites; Toroid Ferrites; EC Ferrites; Cased Toroids; Caseless Toroids; Pot Cores; C Cores; and Sample Computer Printouts.
$130 retail; no charge for updates
KG Magnetics, Inc.; c/o Sherwood Associates; 2135 Huntington Dr., Ste. 201D; San Marino, CA 91108; 818-568-8443 or 818-568-8534 (fax)

Mapo
HPGL and DXF to EPSF file conversion
Macintosh Plus; HD20.

Mapo is a program for technical, industrial and scientific manual use. It converts HPGL and DXF files into EPSF files so that CAD results can be printed instead of plotted. The definition of printed drawings depends only on the LaserWriter in use. Depending on a user's needs, the converted drawing can assume different dimensions from the original drawing. This occurs by either specifying the reducing or enlarging ratio in regards to the original drawing, or by defining in millimeters the maximum x or y dimension of the wished drawing (the other dimension will be proportionally determined). Mapo recognizes all kinds of text. It converts in batch and, under MultiFinder, in the background. Colors are defined both through RGB and CMYK and can be selected or changed by a user. Thickness can be set using letter press parameters. Other characteristics include: LineCap and LineJoin of lines; number of pens increased to 32 selections; selective translation through the number of the pen; and conversion of text in the font selected by a user. Mapo is System 7 compatible.
620.000 Italian Lire
Cigraph s.r.l.; Via Orsato, 38; 30175 Mestre (VE), Italy; 041-932388 or 041-920031 (fax)

Mathematica Help Stack, Version 2.2
Online Mathematica help system
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; HyperCard or HyperDA.

The updated Mathematica Help Stack documents the latest release of Mathematica Version 2.2. This comprehensive new release of the Help Stack categorizes and cross references all Mathematica commands. If users don't know the name of a function, the Help Stack will direct them to the command they need. For example, by clicking on the button labeled "Graphics 3-Dim," users will see all the three-dimensional graphics commands. In addition, there's a card for each command that gives users a clear description of how it works. The Help Stack features easy-to-follow icons, detailed explanations and clear examples.
$129 retail
Variable Symbols; 6537 Chabot Rd.; Oakland, CA 94618; 510-652-8462 or 510-652-8461 (fax)

Matlab 4.0
Numeric analysis, matrix and sparse matrix computation, signal processing, graphics and other functions
Macintosh with 68020 or 68030 processor/68881 or 68882 math coprocessor; 8 MB of RAM.

Matlab is a high-performance, interactive numeric computation and visualization environment that combines the advantages of hundreds of pre-packaged advanced math and graphics functions with the flexibility and extensibility of a high-level language to customize and add new functions as needed. Matlab combines numeric analysis, matrix computation, sparse matrix computation, signal processing, two- and three-dimensional graphics and other functions with a user interface where problems and solutions are expressed mathematically without the need for traditional programming. Matlab application toolboxes extend the power of Matlab by providing users with leading-edge algorithms and functions developed by renowned experts in digital signal processing, control system design, neural networks, system identification, statistics, image processing, dynamic system simulation, chemometrics, optimization and other application areas.
Call for pricing; educational discounts available
The MathWorks, Inc.; 24 Prime Park Way; Natick, MA 01760; 508-653-1415 or 508-653-2997 (fax)

Matlab Chemometrics Toolbox
Chemometric quantitative analysis
Macintosh with 68020 or 68030 processor/68881 or 68882 math coprocessor; 8 MB of RAM; Matlab.

The Matlab Chemometrics Toolbox is a collection of functions for developing and evaluating the calibration matrices used in chemometric quantitative analysis. The toolbox may be used with any type of chemical or physical data. Common applications include spectroscopy, chromatography, electrochemistry and wet chemistry. The package provides Multiple Linear Regression routines for producing K-, P- and Q-matrix calibrations and for establishing calibrations using Factor Analysis (Principal Component Regression) and Partial Least Squares in latent variables. The toolbox consists of routines that implement various statistically-based calibration methods that have become accepted as standard chemometric techniques. The Chemometrics Toolbox is delivered as Matlab M-files, enabling users to see the algorithms and implementations, as well as to make changes or create new functions to address a particular application.
Call for pricing; educational discounts available
The MathWorks, Inc.; 24 Prime Park Way; Natick, MA 01760; 508-653-1415 or 508-653-2997 (fax)

Matlab Control System Toolbox And Matlab Robust-Control Toolbox
Control system design and analysis
Macintosh with 68020 or 68030 processor/68881 or 68882 math coprocessor; 8 MB of RAM; Matlab.

The Control System Toolbox works with Matlab numeric computation software to provide comprehensive functionality for control system design and analysis. It includes "classical" transfer function and "modern" state-space control techniques, plus time-domain and frequency-domain responses, feedback gain selection and model properties calculation. The optional Robust-Control Toolbox adds advanced "robust" multivariable feedback design methods. Primary features include functions for LQG-based optimal control synthesis using loop transfer recovery and frequency-weighted methods; H2 and H infinity optimal control synthesis; singular-value based model reduction; and spectral factorization and model building. The Toolboxes are delivered as Matlab M-files, enabling users to see the algorithms and implementations, as well as to make changes or create new functions to address a specific application.
Call for pricing; educational discounts available
The MathWorks, Inc.; 24 Prime Park Way; Natick, MA 01760; 508-653-1415 or 508-653-2997 (fax)

Matlab Image Processing Toolbox
Analysis and manipulation of images and two-dimensional signals
Macintosh with 68020 or 68030 processor/68881 or 68882 math coprocessor; 16 MB of RAM; Matlab.

The Image Processing Toolbox integrates powerful, flexible tools for image processing and analysis with the Matlab numeric computing and visualization environment. The Toolbox provides functions for filter design, filtering and image restoration; image enhancement; image analysis and statistics; color, geometric and morphological operations; and 2-D transforms. The Toolbox is delivered as Matlab M-files, enabling users to see the algorithms and implementations, as well as to make changes or create new functions to address a specific application.
Call for pricing; educational discounts available
The MathWorks, Inc.; 24 Prime Park Way; Natick, MA 01760; 508-653-1415 or 508-653-2997 (fax)

Matlab Optimization Toolbox
Performs minimization or maximization on nonlinear functions
Macintosh with 68020 or 68030 processor/68881 or 68882 math coprocessor; 8 MB of RAM; Matlab.

The Optimization Toolbox is a collection of Matlab functions that implements the most widely used methods for performing minimization or maximization on general nonlinear functions. This Toolbox includes nonlinear minimization techniques, such as unconstrained and constrained minimization, minimax, nonlinear least squares and multiobjective and semi-infinite minimization. Functions for linear programming, quadratic programming, non-negative least squares and solving nonlinear equations are also included. The Optimization Toolbox is delivered as Matlab M-files, enabling users to see the algorithms and implementations, as well as to make changes or create new functions to address a specific application.
Call for pricing; educational discounts available
The MathWorks, Inc.; 24 Prime Park Way; Natick, MA 01760; 508-653-1415 or 508-653-2997 (fax)

Matlab Signal Processing Toolbox
One- and two-dimensional digital signal processing and time-series analysis
Macintosh with 68020 or 68030 processor/68881 or 68882 math coprocessor; 8 MB of RAM; Matlab.

The Matlab Signal Processing Toolbox is a comprehensive collection of tools for analysis of signals and linear systems and for digital signal processing (DSP) algorithm development. It builds on the numeric and visualization tools in the Matlab technical computing environment to provide FFT and other transforms, FIR and IIR filter design, filter response and simulation, statistical signal processing, parametric modeling, waveform generation and specialized functions for communications, embedded real-time and multirate signal processing applications. The Toolbox provides integrated graphics for visualizing signals, spectra, spectrograms and filter or system parameters. The Signal Processing Toolbox is delivered as Matlab M-files, enabling users to see the algorithms and implementations, as well as to make changes or create new functions to address a specific application.
Call for pricing; educational discounts available
The MathWorks, Inc.; 24 Prime Park Way; Natick, MA 01760; 508-653-1415 or 508-653-2997 (fax)

Matlab Spline Toolbox
Functions for the construction and use of piecewise polynomial functions
Macintosh with 68020 or 68030 processor/68881 or 68882 math coprocessor; 8 MB of RAM; Matlab.

The Spline Toolbox contains a set of functions for the construction and use of piecewise polynomial functions. Authored by Carl de Boor, author of The Practical Guide to Splines, the Spline Toolbox implements the essential programs of the B-spline package described in the text. The Spline Toolbox is implemented using the Matlab numeric computation

software, ensuring accurate results, fast performance and portability. Most of the Toolbox functions are delivered as Matlab M-files, enabling users to see the algorithms and implementations, as well as to make changes or create new functions to address a particular application.
Call for pricing; educational discounts available
The MathWorks, Inc.; 24 Prime Park Way; Natick, MA 01760; 508-653-1415 or 508-653-2997 (fax)

Matlab System Identification Toolbox
Builds mathematical models of dynamical systems
Macintosh with 68020 or 68030 processor/68881 or 68882 math coprocessor; 8 MB of RAM; Matlab.

The System Identification Toolbox works with Matlab numeric computation software to build mathematical models of dynamical systems, based on observed input-output data. Its central features include parametric and non-parametric techniques for all phases of the system identification process: parametric estimation, spectral analysis, simulation and presentation. The System Identification Toolbox is delivered as Matlab M-files, enabling users to see the algorithms and implementations, as well as to make changes or create new functions to address a specific application.
Call for pricing; educational discounts available
The MathWorks, Inc.; 24 Prime Park Way; Natick, MA 01760; 508-653-1415 or 508-653-2997 (fax)

Matlab μ-Analysis And Synthesis Toolbox
Analysis and design of robust, linear control systems
Macintosh with 68020 or 68030 processor/68881 or 68882 math coprocessor; 8 MB of RAM; Matlab.

The μ-Analysis and Synthesis Toolbox is a collection of advanced functions used for the analysis and design of robust, linear control systems. The Toolbox is delivered as Matlab M-files, enabling users to see the algorithms and implementations, as well as to make changes or create new functions to address a specific application.
Call for pricing; educational discounts available
The MathWorks, Inc.; 24 Prime Park Way; Natick, MA 01760; 508-653-1415 or 508-653-2997 (fax)

MBAR Multiple Basin Analysis & Routing
Hydrograph and flood routing analysis
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.

MBAR is a computer model to aid in the design and analysis of storm water management facilities, allowing up to 50 basins interconnected within one simulation. It computes Santa Barbara Urban Hydrographs and SCS Unit Hydrographs. Rainfall distributions available for hydrograph computations include SCS Type II, Interim Florida modified, SCS Type B, South Florida and St. Johns River Water Management District, FDOT and Orange County. Flood routing analysis uses stage/storage curves and time/stage curves to effectively simulate a system. Interconnections of systems analyzed by computer computations through different structures, including round pipes, oval pipes, arch pipes, box culverts, weirs, stage discharge curves, weir with pipes and pumps. Outfall structure analysis applies open channel and/or pressure flow calculations, whichever is appropriate based on physical constraints within a system.
$500 retail
Engineered Solutions; PO Box 391; Geneva, FL 32732; 407-349-9985

McCAD Classic Spice
Analog analysis tool
Macintosh SE/30 or larger.

McCAD Classic Spice is an analog analysis tool that provides a truly integrated environment. It has six basic windows (source, output data table, Spice output, graphics/schematics view, reduced view and library view) that display input data and output results, as well as editors that allow designers to quickly alter their design and re-simulate. Designers can simulate the following devices: resistors, capacitors, inductors, mutual inductors, transmission lines, diodes, bipolar transistors (BJTs), field effect transistors (JFETs), MOSFETs (Metal Oxide JFETs), independent voltage sources, dependent voltage sources, dependent current sources, simple sources, pulse sources, sinusoidal sources, piece-wise linear sources, single frequency FM sources and subcircuits.
$745 retail
Vamp, Inc.; 6753 Selma Ave.; Los Angeles, CA 90028; 213-466-5533

McCAD Software
Electronics and printed circuit-board design
Macintosh Plus or larger.

McCAD electronic design systems offer a choice of design environments with a wide range of system configurations tailored to the specific needs of a designer. McCAD modules take a designer through the complete design cycle — from Schematic Entry to Printed Circuit Board design to Fabrication.

Software solutions such as EDS-1 offer a single integrated design environment for a Macintosh II. Stand-alone systems, such as PCB-1, PCB-ST and Schematics, offer many of the features and capabilities of the EDS-1 system and can be used on smaller hardware configurations.

McCAD PCB-1 is a stand-alone software tool for designing, creating, editing and revising printed circuit board artwork. It is an economical, easy-to-use package recommended for those generating circuit board artwork only.

McCAD PCB-ST is a high-end circuit board layout package that integrates with the McCAD Schematics package. It is net list driven and has autorouting capability.

McCAD Schematics is an online, multipaging schematic capture package with libraries that integrates with the McCAD PCB-ST layout package.

McCAD Schematics-DS consists of the McCAD Schematics (3.2) package with an integrated digital function simulator. It also integrates with the McCAD PCB-ST layout package.

McCAD Gerber Translator converts any of the McCAD PCB databases into standard Gerber format for photo-plotting.

McCAD Gerber View is a "Universal CAD Bridge" that converts Gerber database files from other CAD systems into the McCAD PCB-1 printed circuit design database. Gerber plot files may also be viewed prior to actual photo-plotting.

McCAD EDS-1 (Electronic Design System) is an integrated bundle of software consisting of McCAD Schematics, McCAD PCB-ST and McCAD Gerber Translator.

McCAD EDS-2 is an integrated bundle of software consisting of McCAD EDS-1 with digital simulation added.
$395 retail; McCAD PCB-1
$995 retail; McCAD PCB-ST
$495 retail; McCAD Schematics
$895 retail; McCAD Schematics-DS
$175 retail; McCAD Gerber Translator
$895 retail; McCAD Gerber View
$1,495 retail; McCAD EDS-1 (electronic design system)
$1,895 retail; McCAD EDS-2 (electronic design system)
Vamp, Inc.; 6753 Selma Ave.; Los Angeles, CA 90028; 213-466-5533

McCAD Tracker
Autorouter
Macintosh SE or larger.

The McCAD Tracker is an intermediate-level quality autorouter that fulfills the needs of PCB designers specializing in single- and double-sided PCB board layouts. The router incorporates multiple routing technologies, including some Push and Shove capabilities, and is intelligent enough to handle complex layouts with typical completion percentages from 90 to 100 percent, depending on user set parameters. The router is capable of routing a board in two layers that would require three or four layers on other Mac autorouting platforms. The router is PCB-ST/EDS compatible.
$1,195 retail
Vamp, Inc.; 6753 Selma Ave.; Los Angeles, CA 90028; 213-466-5533

McCAD Trail Blazer
Professional PCB autorouter
Macintosh SE/30 or II family; 2 MB of RAM.

Trail Blazer uses the principals of PUsh, SHove and Insert (PUSHI) to solve the difficult task of efficiently routing complex and dense printed circuit boards. Trail Blazer's Sweep Router concentrates on each routing area, individually, to find the optimum path for each connection. Because it devotes its full power to analyzing specific areas of the board in meticulous detail, it can complete the routing for a given area very quickly and then move onto the next area. The Sweep Router is supported by two major algorithms: Costed Wave Front and Shove. The Costed Wave Front analyzes routing paths in waves, from both the source and target of a connection. Once the ideal path is determined, the Shove algorithm takes over and moves aside obstructing routes. Other Trail Blazer algorithms include Multipass Heuristics (for certain patterns), Tackdown (for avoiding dense areas), Rip-Up and Re-Route and Jump (for moving routes past obstacles).
$4,995 retail
Vamp, Inc.; 6753 Selma Ave.; Los Angeles, CA 90028; 213-466-5533

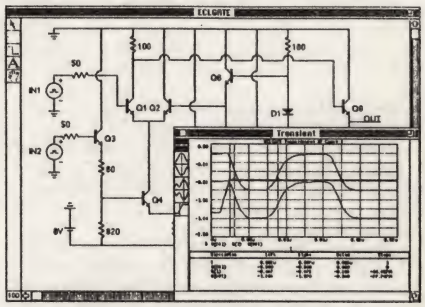
MetalMatch
Intelligent software for alloy characterization
Macintosh Plus or larger; 2 MB of RAM; 800K disk drive; System 6.0.4 or later.

MetalMatch identifies alloys by composition and identifies similar alloys that may be used for substitution. The program not only reduces necessary research time, but also provides a thesaurus of commercial alloys. MetalMatch identifies alloys and welding electrodes by composition. By doing so, it also identifies substitutional alloys, alloys with overlapping compositions and compositionally compatible alloys and welding electrodes. MetalMatch's database has more than 750 alloys, including carbon steels, stainless steels, aluminum alloys, tin alloys, nickel alloys, zinc alloys, magnesium alloys, alloy steels, tool steels, copper alloys, lead alloys, titanium alloys, gold & silver alloys, cast irons & steels and more.
$129 retail
Datalloy Inc.; PO Box 881; Cary, NC 27512; 919-481-1074 or 919-481-9766 (fax)

Metri-Pak
Provides a systems solution to metrication
Macintosh 512K or larger; external disk drive or hard disk drive; Microsoft Excel 3.0.

Metri-Pak provides a systems solution to metrication. Some of its main features include: converts 400 units, 6400 counting prefixes, to SI Metric (and reverse); a special drawing conversion module (every type dim./tol. converted); the most popular ANSI/DOD approved metric fasteners; precision rounding per ASTM E-380, methods A and B; most used Limits and Fits is automated (enter size and fit number only); converts special values entered by formula, exponents, prefixes, etc.; metric drills and resulting hole sizes are looked up automatically; summary conversion sheets cover an entire drawing/document; and full drawing, hard and soft conversion, example with summary sheets. It is not copy protected.
$50 retail
International Geometric Tolerancing Institute, Inc.; 2943 Cortina Dr.; San Jose, CA 95132; 408-251-7058

Micro-Cap IV
Integrated schematic editor and analog simulator
Macintosh II; 4 MB of RAM; hard disk drive.



Micro-Cap IV is an integrated schematic editor and SPICE-based analog simulator that provides an interactive sketch and simulate environment for electronics engineers. It blends a modern, window-based user interface with the robust and powerful numerical algorithms of SPICE to produce a fast, powerful and easy-to-use circuit simulator. Features include: integrated schematic, shape and text editor; online simulator available at a key press; familiar SPICE

These Products Available Through Bottom Line Distribution
1-800-347-1923

models, plus extensions, are easy to use; probe feature lets users probe the schematic for waveforms; Analog Behavioral Modeling; Jiles-Atherton non-linear magnetics model; GaAsFET models; and a large device model library with more than 4,000 parts.
$2,495 retail
Spectrum Software; 1021 S. Wolfe Rd.; Sunnyvale, CA 94086; 408-738-4387 or 408-738-4702 (fax)

Model-It!
Visual programming tool for dynamic systems modeling and simulation
Macintosh Plus or larger; System 6.0.4 or later.

Model-It! is a visual programming tool that can be used to model and simulate systems, algorithms and processes. Users can easily construct block diagrams, supply models with internally-generated or imported data, set up a simulation clock and watch the models run. Users can modify data and diagrams and have those changes validated and results updated as they work. Users can add plots and tables, formatted to their liking, and view the results. Applications include: simulate dynamic systems, solve differential equations, test algorithms, filter data sets, analyze processes, test and optimize designs, do what if analyses and perform general numeric processing tasks.
$395 retail
Norris Software Systems, Inc.; 8201 Corteland Dr.; Knoxville, TN 37909; 615-693-3132

Moorsim
Comprehensive motion and load simulator for catenary-restored spread mooring systems
Macintosh Plus or larger; hard disk drive recommended.

Moorsim is a comprehensive simulation used for design, evaluation, maintenance and line failure analysis of catenary-type spread mooring systems. It provides detailed mooring line and vessel performance data under specifiable water depth and environmental conditions, including characteristic (r.m.s.) and peak mooring line loads in the forecast maximum storm. A wide range of environmental conditions is accommodated, including extensive built-in wave spectral types, azimuthal spreading of wave directions, an optional independent background swell, and steady or fluctuating wind and/or current. Spread mooring systems are characterized by extreme non-linearities at every phase of performance analysis; Moorsim accommodates these non-linearities at all levels, including system statics, quasi-statics and dynamics. Direct comparison of Moorsim's nonlinear dynamic load calculation with the quasi-static catenary calculation often used as an approximation is provided as an output option. Simulation is carried out in the frequency domain, resulting in short execution times and unambiguous predictions of statistical response values.
$50,000 retail
SeaSoft Systems; 250 Ribera Dr., Ste. B; Santa Barbara, CA 93111; 805-683-3002 or 805-683-0440 (fax)

MSC/pal 2
Performs three-dimensional stress and vibration analyses of structures, components and mechanical systems
Macintosh Plus or SE; 1 MB of RAM; hard disk drive; or Macintosh SE/30 or II; 2 MB of RAM (3 MB with MultiFinder); hard disk drive; math coprocessor.

MSC/pal 2 performs three-dimensional stress and vibration analyses of structures, components and mechanical systems. It allows an engineer or designer to reduce time in the design/analysis cycle through rapid iteration. The program will also increase the process or product's reliability while helping to reduce material and manufacturing costs. MSC/pal 2 will help an engineer to identify potential problems prior to fabrication and thus reduce the need for prototype testing. Graphics and text windows may be repositioned and resized. Graphics and text may be cut and pasted into other Macintosh applications for report generation. Graphical output consists of undeformed geometry, deformed shape, deformed/undeformed overlays, hidden lines, shaded stress and displacement contours and XY plots. In addition, the deformed shape may be animated. MSC/pal 2's extensive element library includes: straight and curved beams; solids; triangular plate elements; axisymmetric elements, 3-node ring and 4-node ring; plane stress and plane strain membranes; scalar springs, masses and dampers; and user-defined generalized mass and stiffness elements.
$995 retail; Plus, SE
$2,495 retail; SE/30, II
$65 retail; demo
The MacNeal-Schwendler Corp.; 815 Colorado Blvd.; Los Angeles, CA 90041; 213-258-9111

Multiframe3D
Structural engineering design and analysis
Macintosh Plus or larger; 2.5 MB of RAM; System 6.0.7 or later.

Multiframe is a structural engineering design and analysis system. Featuring fast, interactive graphics, Multiframe provides exceptional ease of use combined with powerful analysis capabilities. Advanced features include automatic generation of structures and rendering and animation of deflection and stress diagrams. A complete library of AISC sections is included and may be customized for use with composite, concrete or timber sections. Multiframe is System 7 compatible, and supports Virtual Memory and the Power Macintosh.
$1,495 retail
$1,995 retail; bundle Multiframe3D, Section Maker, Steel Designer
Graphic Magic Inc.; 180 Seventh Ave., Ste. 201; Santa Cruz, CA 95062; 408-464-1949 or 408-464-0731 (fax)

Multiframe4D
Three-dimensional static and dynamic structural analysis and design
Macintosh Plus or larger; 4 MB of RAM; System 6.0.7 or later.

Multiframe4D is a three-dimensional, static and dynamic structural analysis and design software system. Featuring fast, interactive graphics, Multiframe4D provides a completely graphical approach to structural modeling, analysis and interpretation of results. CAD tools like automatic generation, duplication and rotation of structural elements simplify the process of constructing a frame model. Multiframe4D utilizes rendering, animation and color overlays to highlight critical areas of the structure after analysis. Dynamic modes of vibration can be visualized using a combination of color rendering and QuickTime-compatible animation. Analysis options include springs, prescribed displacements, factored load cases, automated self weight and thermal loading. User-defined reports can be previewed on screen prior to printing. It comes complete with a database of common U.S. and international structural shapes.
$1,995 retail
$2,495 retail; bundle Multiframe4D, Section Maker, Steel Designer
Graphic Magic Inc.; 180 Seventh Ave., Ste. 201; Santa Cruz, CA 95062; 408-464-1949 or 408-464-0731 (fax)

NeuroLab v1.0
Neural network library for Extend
Macintosh Plus or larger; 3 MB of RAM; 2 MB of free hard disk space; Extend 3.0; System 6.0.5 or later.

NeuroLab is a neural library for Extend (a graphical icon-based simulation program) and is a powerful and effective tool for understanding, designing and simulating artificial neural network systems. NeuroLab consists of more than 60 functional blocks and 20 example models. Each functional block in NeuroLab is easy to use and understand because of the intuitive appearance and the interactive dialog box of each block. Implemented neural networks are Hopfield, perceptron, competitive, recurrent, context, feature map, Boltzmann machine and multilayer feed-forward networks. NeuroLab is applicable in any field where nonlinear mapping and adaptive capability are integral parts of problem solving. Major applicable fields are image processing, data classification, future prediction, adaptive control, dynamics identification optimization and content addressable memory. NeuroLab is an ideal tool for educators and engineers who would like to explore the power of neural networks.
$345 retail
$965 retail; with Extend v3.0
Mikuni Berkeley R&D; 4000 Lakside Dr.; Richmond, CA 94806; 510-222-9880 or 510-222-9884 (fax)

Pulley Designer
Mechanical engineering application
Macintosh Plus or larger.

Pulley Designer is a mechanical engineering application for the design and procurement of large bulk material conveyor pulley assemblies. It employs an easy-to-use graphics interface for entry of belt tensions and dimensional data and permits user selection of steel, lagging, journaling, etc. The program automatically creates bill of materials. It also creates a fully dimensioned A-sized mechanical assembly drawing with bill of materials suitable for procurement and plant maintenance book use. Special functions are included to optimize component commonality within a project or plan. It adheres to CEMA and MPTA design standards.
$995 retail; single user
$1,495 retail; multiuser
Footprints, Inc.; 2469 E. 7000 South, Ste. 207; Salt Lake City, UT 84121; 801-942-1580, 800-635-5280 or 801-942-1582 (fax)

ReOpt
Reviews possible environmental remediation technology options
Macintosh II or larger; 5 MB of RAM; high-density floppy drive; 12 MB of hard disk space; 13-inch color monitor.

ReOpt is a Windows/Macintosh-based software system that reviews possible environmental remediation technology options based on user-specified site characteristics. ReOpt provides summary information for each of 88 remediation technologies, covering nearly 700 contaminants, including technology descriptions, design parameters, contaminant applicability, references and previous applications. Developed by Battelle's Pacific Northwest Lab for the Department of Energy, ReOpt is licensed for commercial distribution by Sierra Geophysics.
$2,500 retail
Sierra; 11255 Kirkland Way; Kirkland, WA 98033; 206-822-5200, 800-826-7644 or 206-827-3893 (fax)

RetainWall
Retaining wall design software
Macintosh Plus or larger; two 800K disk drives or hard disk drive.

RetainWall calculates a complete analysis and design based on ACI 318-89 and UBC '91. Poured concrete and/or masonry block may be used. RetainWall gives users several options for sizing of rebar. Users can enter steel size, spacing, both or neither. It automatically calculates whichever values are not entered. RetainWall has incorporated all the load cases required by ACI and UBC. Users may use these cases, turn some or all of them off and/or create their own. Any number of active and passive pressures, surcharges, stem axial loads and horizontal point and distributed loads can be applied to the wall. All input and output values and graphics may be printed at any time. In addition, graphics can be saved in PICT and DXF formats for use in virtually any drawing program. Text values can be saved as a text file for easy export to spreadsheet, word processing and page-layout programs.
$195 retail; working demo available
Daystar Software, Inc.; 8120 NW Hillside Dr.; Kansas City, MO 64152; 816-741-4310 or 816-421-1956 (fax)

RFDesigner
RF/microwave design tool
Macintosh Plus or larger.

RFDesigner is a powerful RF/microwave design tool that provides physical and electrical structures, all standard RF components and math models, which can simulate almost any real circuit behavior. The program features effective analysis and optimization with s-parameter interpolation and built-in parasitics for all components. Gradient and random optimizers and statistical "yield" prediction work simultaneously with any number of components and with independently assigned tolerances to all components, including s-parameters. The smart editor environment with programming language provides guided file creation and editing and flexible single and multifile management and processing. The graphs are displayed simultaneously with calculations and can be directly printed in high quality. Time domain response is generated from s-parameter data.

$1,500 U.S. retail; RFDesigner
$995 U.S. retail; RFD Schematic Capture (includes Capilano's DesignWorks)
Ingsoft, Ltd.; 213 Dunview Ave.; North York, Ontario, Canada M2N 4H9; 416-730-9611 or 416-733-3884 (fax)

RFLaplace
Electromagnetic simulator tool
Macintosh Plus or larger; MiniCad+.

RFLaplace is a versatile electromagnetic simulator for uniform TEM mode structures. Vector plots of electric and magnetic fields, equipotential contours, density plots of power loss and surface current can be resized, scaled and superimposed in the MiniCad graphical environment for easy visualization of single and coupled transmission line properties. Dielectric loss tangents and finite metal conductivities are included in the computation of even and odd mode characteristic impedances, velocity factors and line attenuations. Unloaded Q and length of resonator constructed using a quarter line length of the specified cross-section are also available. Typical applications include design of single and coupled transmission lines, analysis of unconventional transmission lines, resonator design, crosstalk and coupling analysis among circuit board traces and multiple twisted pairs.
$900 U.S. retail
Ingsoft, Ltd.; 213 Dunview Ave.; North York, Ontario, Canada M2N 4H9; 416-730-9611 or 416-733-3884 (fax)

RFSynthesist
RF/microwave circuit synthesis program
Macintosh Plus or larger.

RFSynthesist is an RF/microwave circuit synthesis program that works independently or as a part of the RFDesigner product line. It generates RFDesigner run-ready files and schematic diagrams for DesignWorks. The program includes: filter synthesis (Butterworth, Chebyshev, elliptic, coupled resonators); synthesis of microstrip line physical dimensions from characteristic impedance; calculation of transmission line characteristic impedance and velocity factors from physical dimensions (for microstrip, stripline, coaxial, two-wire, wire over ground, wire in square shield, coplanar waveguide); and calculation of coupled transmission line odd- and even-mode impedances and velocity factors from physical dimensions. The program environment features include a context-sensitive online manual, pop-up and tear-off menus, floating tool palettes, modeless calculation windows, text editor with search and a report window with page-layout capabilities.
$1,200 U.S. retail
Ingsoft, Ltd.; 213 Dunview Ave.; North York, Ontario, Canada M2N 4H9; 416-730-9611 or 416-733-3884 (fax)

Roark & Young On TK 2.0
Computerized version of text book
Macintosh 512K or larger.

Roark & Young on TK is a computerized version of the text book "Roark's Formulas for Stress and Strain," by Warren C. Young. Based on the sixth edition, this application covers the entire range of problems from Roark's book, which includes a collection of 37 tables, more than 1,300 cases and more than 5,000 formulas. This application utilizes a sophisticated menuing system developed by Universal Technical Systems, Inc. (UTS). The UTS Menuing System allows users to easily locate, load and merge any of the desired cases. Users can quickly plot the results and analyze many different design alternatives in minutes.
$595 retail
Universal Technical Systems, Inc.; 1220 Rock St.; Rockford, IL 61101; 815-963-2220, 800-435-7887 or 815-963-8884 (fax)

RUN Assistant
Electronic design system
Macintosh LC or larger; 5 MB of RAM; hard disk drive; System 6.0 or later.

With RUN Assistant, it is formula's desire to offer a solution to the customer for who the RUN EDS is too powerful and who is looking for a system that is still excellent, but more affordable in pricing. RUN Assistant shares its basis with RUN EDS and uses its innovative capabilities for interactive work. For example, an arbitrary number of worksteps can be undone or redone with a click of the mouse. Significant improvements have been made to allow forward- and back-annotation with Real-Annotation in real time, not only supporting pin- and gate-swap, but also any other global project changes. The online test of the database is used to check and keep up the netlist information. Faulty nets will be highlighted instantly, which makes final batch testing redundant. The library uses an integrated approach (like RUN EDS) where schematic symbols and packages are displayed on a worksheet and consistency between the different views is immediately checked and displayed.
$975 retail; RUN Assistant Schema
$3,425 retail; RUN Assistant Layout
$1,750 retail; RUN Assistant Autorouter
formula GmbH, Hard- and Software; Spittlertorgraben 47; 8500 Nürnberg 80; Germany; +49-911-28-66-00 or +49-911-28-62-21 (fax)

RUN Electronic Design System
Automated design of electronic circuits and printed circuit boards
Macintosh LC or larger; 5 MB of RAM; hard disk drive; System 6.0 or later.

RUN EDS is an integrated program for the automated design of electronic circuits and printed circuit boards. The RUN products are developed by engineers with long CAE experience on PCs and workstations in close cooperation with the electronic design industry and PCB manufacturers. It runs on a Macintosh computer with its well-designed user interface, graphic and networking environment. The design begins with the schematic capture where the support of hierarchical design (top-down and bottom-up) enables developers to break down extensive projects into smaller modules. Significant improvements have been made to allow forward- and backward-annotation with REAL-Annotation in real time, not only supporting pin- and gate-swap, but also any other global project changes. A management for free attribute handling is used to interface to analog and digital simulation tools and logistics. For analog and high-frequency designs, support for Bezier curves for contours and signal traces has been implemented.
$1,750 retail; RUN EDS Schema
$6,000 retail; RUN EDS Layout
$7,000 retail; RUN EDS Autorouter
formula GmbH, Hard- and Software; Spittlertorgraben 47; 8500 Nürnberg 80; Germany; +49-911-28-66-00 or +49-911-28-62-21 (fax)

SALMsim
Comprehensive motion and load simulator for riser-buoy-yoke Single Anchor Leg Mooring systems
Macintosh Plus or larger; hard disk drive recommended.

SALMsim is a comprehensive simulation used for design, evaluation, maintenance and failure analysis of riser-buoy-yoke type single-point mooring systems (SALMs) with an attached storage vessel. A wide range of environmental conditions is accommodated, including extensive built-in wave spectral types, azimuthal spreading of wave directions, an optional independent background swell and steady or fluctuating wind and/or current. Integrated simulation modules compute static, low-frequency and wave-frequency behavior of the vessel and its associated mooring structures. Emphasis is on estimation of characteristic (r.m.s.) and storm peak motion and load values at any point in the system for a particular wind, wave and current environment. Effects of finite water depth are fully simulated and either English or metric units may be selected for vessel specification and data output. Output is in the form of amplitude and phase of Response Amplitude Operators (RAOs) and/or statistical characterizations of vessel and mooring system motion and load response to irregular wave conditions. Capabilities for analysis of free SALMs in arbitrary environmental conditions are incorporated. Full accommodation of square-law hydrodynamic driving and damping forces acting on the mooring structure is provided. Simulation is carried out in the frequency domain, resulting in short execution times and unambiguous predictions of statistical response values.
$60,000 retail
SeaSoft Systems; 250 Ribera Dr., Ste. B; Santa Barbara, CA 93111; 805-683-3002 or 805-683-0440 (fax)

Sauna
Thermal modeling
Macintosh SE or II.

Sauna is a three-dimensional thermal analysis program with integrated color graphics. Users can model circuit boards, plates, heat sinks or entire enclosures, using all heat transfer modes: convection (natural or forced air), radiation (blackbody or gray) and conduction. Seconds later, using Sauna's advanced solver, users will have predicted a complete set of mode, case and junction temperatures. It is interactive menu driven with powerful edit features, making it easy to learn and use for what-if design modification evaluations. Its thermal parameters library includes material properties, semiconductor package design values, mounting method parameters, the effect of altitude or pressure on convection, etc. Hard copy output interprets color plots into a gray scale.

Sauna Modeling System provides even greater modeling power for tough thermal analysis problems. It will not only do macro thermal analysis of the more common electronic configurations, but also has the capability to model just about any type of design: potted modules, heat sinks in "H" and "T" configurations and the prediction of junction-to-case thermal resistance are all possible.
$995 retail; Sauna Standard
$2,995 retail; Sauna Modeling System
Tatum Labs, Inc.; 1287 N. Silo Ridge Dr.; Ann Arbor, MI 48108; 313-663-8810 or 313-663-3640 (fax)

Section Maker
Section properties calculation and design system
Macintosh Plus or larger; 2.5 MB of RAM; System 6.0.7 or later.

Section Maker is a section properties calculation and design system. It features fast, interactive graphics and automatic computation of properties of steel, concrete, timber or sections made from any other material, even composite shapes and materials. It also includes automatic creation of standard shapes, such as I-beams, channels, hollow sections and tubes. Section Maker provides exceptional ease of use and works with the Multiframe range of structural design software. Section Maker is System 7 compatible.
$395 retail
Graphic Magic Inc.; 180 Seventh Ave., Ste. 201; Santa Cruz, CA 95062; 408-464-1949 or 408-464-0731 (fax)

Semisim
Six degree-of-freedom wave-frequency semisubmersible motion simulator
Macintosh Plus or larger; hard disk drive recommended.

Semisim is a six degree-of-freedom wave-frequency motion simulation package for use with semi-submersible vessels in the non-transit, hulls-submerged mode. Computed response characteristics reflect the highly nonlinear nature of motion damping and excitation for this type of vessel. Features include efficient input of column and hull forms based on the use of simple geometrical shapes, permitting quick specification and easy modification of the underwater configuration for comparative performance analysis and evaluation. A wide range of environmental conditions is accommodated, including extensive built-in wave spectral types, azimuthal spreading of wave directions and an optional independent background swell. The simulation provides for calculation of air gap clearances between deck and water surface in addition to absolute displacements, velocities and accelerations at any point on the vessel. Effects of finite water depth are fully simulated and either English or metric units may be selected for vessel specification and data output. Output is in the form of amplitude and phase of vessel Response Amplitude Operators (RAOs) and/or statistical characterizations of vessel response to irregular wave conditions. Simulation is carried out in the frequency domain, resulting in short execution times and unambiguous predictions of statistical response values.
$25,000 retail
SeaSoft Systems; 250 Ribera Dr., Ste. B; Santa Barbara, CA 93111; 805-683-3002 or 805-683-0440 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

Shaft Alignment 2.51
Determines how to correctly position shafts of industrial rotating machinery
Macintosh Plus or larger; 1 MB of RAM.

Shaft Alignment helps users determine how to correctly position the shafts of rotating machinery to achieve a colinear axis of rotation when the machinery is running under normal operating conditions. The program uses a variety of visual aids to assist users in understanding the step-by-step process required to align rotating machinery properly. Users can enter names of the machinery, the axial dimensions of the drive train, data on how the machinery moves from offline to running conditions and the direction of this movement. Other items that can be input include the selection of three different types of dial-indicator shaft-measurement techniques and field readings taken with one of these techniques. Users can then see how two shafts are oriented with respect to each other, choose from an infinite number of possible solutions to achieve the required machinery position and print any or all of the above information. Data from lasers and other systems may also be entered. The Shaft Alignment Handbook and Basic Shaft Alignment Workbook are included.
$895 retail
Turvac Inc.; 12012 Elkwood Dr.; Cincinnati, OH 45240; 513-851-1439

Shipsim
Six degree-of-freedom wave-frequency motion simulator for displacement-hull vessels
Macintosh Plus or larger; hard disk drive recommended.

Shipsim is a general-purpose six degree-of-freedom wave-frequency vessel motions program specifically enhanced for displacement-hull vessels with relatively large block coefficients. Vessels in this category include drillships, barges and tankers. Shipsim utilizes an efficient algorithm for calculating wave-frequency forces and moments which permits accurate simulation using as input only gross hydrostatic and mass properties, eliminating the need for tedious and error-prone input of vessel lines details. This typically permits comprehensive simulations to be completed in one hour or less. Non-linear effects, particularly in the roll degree of freedom, are fully simulated, leading to realistic roll response predictions that depend on details of bilge geometry. A wide range of environmental conditions is accommodated, including extensive built-in wave spectral types, azimuthal spreading of wave directions and an optional independent background swell. Accelerations, velocities and displacements at any point on the vessel can be computed. Effects of finite water depth are fully simulated and either English or metric units may be selected for vessel specification and data output. Output is in the form of amplitude and phase of vessel Response Amplitude Operators (RAOs) and/or statistical characterizations of vessel response to irregular wave conditions. Simulation is carried out in the frequency domain, resulting in short execution times and unambiguous predictions of statistical response values.
$20,000 retail
SeaSoft Systems; 250 Ribera Dr., Ste. B; Santa Barbara, CA 93111; 805-683-3002 or 805-683-0440 (fax)

Signal Analyzer/QT
Provides speech, audio and acoustic analysis routines
Macintosh II family.

Signal Analyzer/QT provides a wide range of speech, audio and acoustic analysis routines, as well as full QuickTime support, enabling users to construct video and audio "animations" with engineering data. Signal Analyzer/QT with a DSP board enables any Macintosh to become an authoring system. In a typical application, a user might be sampling sonar or audio signals and displaying the frequency components in real time via one of Spectral Innovations' 3-D color displays. Now with QuickTime enhancements and one of Spectral's DSP boards, these displays can be compressed and saved on disk as a QuickTime movie for subsequent playback on any QuickTime–compatible machine. QuickTime compatibility also enables users of Signal Analyzer/QT to embed data movies into other QuickTime-savvy applications, such as spreadsheets, word processors and multimedia presentation tools. The product is intended for researchers and engineers who need to share data and results across workgroups.
Call for pricing
Spectral Innovations, Inc.; 1885 Lundy Ave., Ste. 208; San Jose, CA 95131; 408-955-0366 or 408-955-0370 (fax)

SimpleSpan Utilities I
Beam analysis desk accessory package
Macintosh 512K or larger.

SimpleSpan Utilities I is a disk containing two structural design desk accessories for architects and engineers. SimpleSpan and BackSpan enable a user to analyze and select sizes of simply supported or cantilevered wood beams. Using framing lumber, laminated veneer lumber or steel beams, the software will analyze shear, deflection and bending, and calculate the required beam size. Features include the ability to revise or delete individual loads, set user options and review beam calculations. New features of SimpleSpan 2.5.1 and BackSpan 2.0 include the ability to print a summary report of the calculations in any font, or the same report can be saved as a text file to be archived on disk or imported into a spreadsheet. Steel stress values can be entered by users using less common steel grades. Joist spacing can be adjusted independent of the loading conditions. In addition, SimpleSpan has been upgraded to size rough-sawn lumber and draw shear & moment diagrams in its analysis window.
$145 retail; includes SimpleSpan 2.5 and BackSpan 2.0
Compuneering Inc.; 113 McCabe Crescent; Thornhill, Ontario, Canada L4J 2S6; 905-738-4601 or 905-738-5207 (fax)

SINDA/G
General purpose thermal analyzer
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; Absoft's Fortran.

SINDA (Systems Improved Numerical Differencing Analyzer) is a general purpose thermal analyzer used by NASA centers and many aerospace companies. It can be used to create thermal models and predict temperatures and heat flows for a wide range of problems encountered in industries, such as electronic, automotive and aerospace. Through user-written Fortran subroutines, complex phenomena can be modeled. A HyperCard graphics interface is used to control the program. A comprehensive tutorial guide to thermal modeling is included, which teaches thermal modeling techniques using numerous examples and comparisons with analytical solutions. The Macintosh version is not a subset, but the complete SINDA/G (formerly SINDA/1987/ANSI) program.
$1,500 retail
$3,000 retail; MPW version
Network Analysis Associates, Inc.; PO Box 8007; Fountain Valley, CA 92728; 714-775-2052

Softgage 2.0
Software to replace Positional Functional (metal) Gages and analyze N/C machine precision
Macintosh 512K or larger; external disk drive or hard disk drive; Microsoft Excel 3.0.

Softgage is a productional program that can be used to verify feature locations in lieu of a (hard) positional functional gage when used in conjunction with an X, Y Coordinate Measuring Machine (CMM). The program is meant to be a workable solution for the composite positional verification of holes or studs/pins. Measurements taken from any origin may be translated to determine their acceptability by the computer. Although designed for ease of use, Softgage contains many sophisticated transparent routines, such as least squares, strategic decision making, vector-seeking optimization, slope/distance zone-envelope testing, hand tweaking and more. Softgage includes an interactive graph of actuals verses basics (locations) and color-coded cells. The program is not copy protected.
$100 retail
International Geometric Tolerancing Institute, Inc.; 2943 Cortina Dr.; San Jose, CA 95132; 408-251-7058

Specialty I Design Magnetics Software Mark VI
Magnetic component design
Macintosh 512K or larger; Microsoft Basic.

Specialty I Design Magnetics simplifies the design of such magnetic components as forward converters, three-phase transformers, DC inductors with a given DC resistance and single winding mag-amp design. Specialty Design Magnetics can quickly pick up files generated by FileMaker to minimize design turnaround time. The program can stand alone or be used in conjunction with Magnetic Core Data Conversion. Programs available in the package include: Single Ended Forward Converter Design; Single Coil High Frequency Mag-Amp Design; DC Inductor Design Using Iron Alloy and Ferrites; Three Phase Design Using Iron Alloy and Sample Computer Printouts.
$110 retail; no charge for updates
KG Magnetics, Inc.; c/o Sherwood Associates; 2135 Huntington Dr., Ste. 201D; San Marino, CA 91108; 818-568-8443 or 818-568-8534 (fax)

Specialty II Design Magnetics Software Mark VI
Magnetic component design
Macintosh 512K or larger; Microsoft Basic.

Specialty II Design Magnetics simplifies the design of magnetic components. Specialty Design Magnetics can quickly pick up files generated by FileMaker to minimize design turnaround time. The program can stand alone or be used in conjunction with Magnetic Core Data Conversion. Programs available in the package include: Single Layer Windowing Inductor using Molypermalloy, High Flux, Kool Mu and Powdered Iron Cores; Common Mode Inductor Design using 2,500, 3,000, 5,000 and 10,000 Perm Ferrite Material; Ultra Low DC Current Inductor Designs using Ferrite Toroidal Cores; Resistor Trim (used mainly in power supplies to give selected resistors a min/max range); AC Inductor Design using Molypermalloy, High Flux, Kool Mu and Powdered Iron Cores; and 11 Magnetic Equations to use at the terminal.
$110 retail; no charge for updates
KG Magnetics, Inc.; c/o Sherwood Associates; 2135 Huntington Dr., Ste. 201D; San Marino, CA 91108; 818-568-8443 or 818-568-8534 (fax)

Specialty III Design Magnetics Mark VI
Magnetic component design
Macintosh 512K or larger; Microsoft Basic.

Specialty III Design Magnetics simplifies the design of such magnetic components as current transformers for high and low frequency using tape toroidal cores and ferrite toroidal cores. Included in Specialty III is fast laminations using EI, EE, DU, UI and 3 phase laminations. With this stored data, the engineer is only required to enter ratios of a square stack, such as 0.5 for a half stack or 2.0 for a double stack. Using this approach, the turnaround time is very fast. Each of the three laminations have a special input for non-standard laminations. The data can be entered in either English or Metric units. This new program with FileMaker will automatically nest and sort the cores for core geometry, then provide core data files for future designs.
$100 retail; no charge for updates
KG Magnetics, Inc.; c/o Sherwood Associates; 2135 Huntington Dr., Ste. 201D; San Marino, CA 91108; 818-568-8443 or 818-568-8534 (fax)

Specialty IV Design Magnetics Mark VI
Magnetic componenet design
Macintosh 512K or larger; Microsoft Basic.

Specialty IV Design Magnetics simplifies the design of such magnetic components as coupled inductors and sign wave inverter designs using Molypermalloy, High Flux, Kool Mu and Iron Powder cores.
$100 retail; no charge for updates
KG Magnetics, Inc.; c/o Sherwood Associates; 2135 Huntington Dr., Ste. 201D; San Marino, CA 91108; 818-568-8443 or 818-568-8534 (fax)

Spectrum
Frequency domain analysis
Macintosh 512K or larger (Macintosh II preferred).

Spectrum is designed for users who perform frequency analyses of data. It features a fast implementation of the Fast Fourier Transform algorithm. Spectrum has all of the necessary features, including plotting, to quickly and easily analyze the necessary data. It has the capability to present to an analyst a variety of displays and formats. Features include: can perform analysis on either a text file or a file composed of real numbers in the Mac format; has the capability of taking an FFT of various sizes, from 8 to 32,768 points; can perform forward and inverse FFTs; can read data from a multicolumn file; can write and output file in either a fixed or scientific notation; can simultaneously display the magnitude and phase of the data or just the

magnitude; has the capability to average any number of FFTs from the same data file; can perform windowing of data; can display data in linear or logarithmic manner; and more. Spectrum is System 7 compatible.
$249.95 retail
Equinox Technologies, Inc.; 7230 Oliver St.; Lanham, MD 20706; 301-577-9207

SpectrumWare
Dynamic signal analyzer virtual instrument
Power Macintosh or NuBus; 4 MB of RAM; System 6.0.3 or later.

SpectrumWare is a dynamic signal analyzer virtual instrument (VI) for Macintosh users. It features an easy-to-use GUI that simplifies the measurement of frequency response, power spectrum, amplitude spectrum, coherence, transient capture, cross spectrum and THD. Users can combine SpectrumWare and National Instruments dynamic signal acquisition boards for the NuBus computers in applications involving electronic filters and networks, audio frequency communications equipment, machine vibration, transducers, such as accelerometers and hydrophones, resonances in mechanical structures or acoustic tests. Other applications include the measurement of transient signals or the spectra of low-frequency signals such as speech or mechanical vibration. The SpectrumWare executable program was built using the company's new LabVIEW Application Builder. Once selected, SpectrumWare will load, execute and unload automatically. The source code for SpectrumWare can be edited with LabVIEW 3.0, so users can alter and customize it for their individual applications.
No charge with purchase of NB-A2100 and NB-A2150 plug-in boards
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

SPMsim
Comprehensive motion and load simulator for catenary-restored turret-moored vessels
Macintosh Plus or larger; hard disk drive recommended.

SPMsim is a comprehensive simulation used for design, evaluation, maintenance and failure analysis of catenary-based single-point mooring (SPM) systems, including vessel-fixed turret systems. It provides detailed mooring system and vessel performance data under specifiable water depth and environmental conditions, including characteristic (r.m.s.) and peak mooring line loads in the forecast maximum storm. A wide range of environmental conditions is accommodated, including extensive built-in wave spectral types, azimuthal spreading of wave directions, an optional independent background swell, and steady or fluctuating wind and/or current. Catenary-based mooring systems are characterized by extreme non-linearities at every phase of performance analysis; SPMsim accommodates these non-linearities at all levels, including system statics, quasi-statics and dynamics. The simulation is especially useful for deep-water applications that are difficult to study thoroughly using conventional model-scale tests. Direct comparison of SPMsim's nonlinear dynamic load calculation with the quasi-static catenary calculation often used as an approximation is provided as an output option. Simulation is carried out in the frequency domain, resulting in short execution times and unambiguous predictions of statistical response values.
$50,000 retail
SeaSoft Systems; 250 Ribera Dr., Ste. B; Santa Barbara, CA 93111; 805-683-3002 or 805-683-0440 (fax)

Spring CAD
Spring design and drawing program
Macintosh II or larger; 1 MB of RAM; 12-inch monitor; System 6.0.4 or later.

Machine designers often cannot use simple springs from manufacturer catalogs and must resort to imprecise spring slide rules or tedious calculations. Spring CAD, the first spring design program for the Macintosh, is a highly-automated engineering tool that enables engineers to quickly develop and design a variety of mechanical springs. Numerous GUI windows simplify the process and most spring calculations are completed in only seconds. When a design is complete, a drawing can be automatically generated, ready for printing or faxing. Five spring types can be designed: compression, extension, helical torsion, beam and solid torsion. An extensive variety of hook ends is selectable for extension and helical springs. Material and wire size tables are built in or can be customized. Fatigue loading and stress constraints are selectable, and all computational data can be analyzed. Design data can be entered in numerous ways, permitting many what-if scenarios to be quickly explored.
$495 retail
$59 retail; sampler (price applicable to full purchase)
Bare Hill Software Co.; 97 Eastern Blvd., #254; Canandaigua, NY 14424; 716-554-5440 or 716-554-4223 (fax)

SPW Engineering Package
Seismic data processing
Macintosh II, Centris, Quadra family or Power Macintosh; 8 MB of RAM; System 7.0 or later.

Designed specifically for the environmental and engineering market, the SPW Engineering System is a smaller replica of the complete SPW software package. This package is a low-cost/high-end processing package for use in shallow, high-resolution seismic reflection projects. All of the functionalities and controls available in the full SPW software package for analyzing and processing reflection seismic data are incorporated into the SPW Engineering software package. An upper limit of processing 48 traces per channel and 50,000 traces per data set defines the lone boundary differentiating the SPW Engineering package from the complete SPW package. Competitively priced to meet the demands of the environment and engineering marketplace, this SPW offers exceptional value.
Call for pricing
Parallel Geoscience Corp.; 4807 Spicewood Springs Rd., Bldg. 2; Austin, TX 78759; 512-346-4040 or 512-346-0088 (fax)

Statmoor
Comprehensive static catenary-elastic multileg mooring system calculator
Macintosh Plus or larger; hard disk drive recommended.

Statmoor is a comprehensive static mooring analysis program for multileg catenary mooring systems. The program is used in design and analysis of complex single-vessel multipoint mooring systems and special applications including static response characteristics of most elasto-gravitational lines of importance to the offshore industry (towlines, reinforced coflex-type hoses, etc.). An analytically exact solution to the elasto-gravitational static response of mooring line elements is employed; these exact equations apply to arbitrary degrees of non-linearity in the tension-elongation characteristics for the mooring line elements, permitting analysis of strongly non-linear materials such as nylon and polypropylene. Extensive online default values for weight, strength and elastic properties of steel and synthetic mooring materials are provided to enhance efficiency in preliminary parametric design studies. The program supports spring buoys, clumped weights, sloping seafloor conditions and individually specifiable anchor depths. Output capabilities include both individual line characteristics and net restoring forces and moments associated with yaw offsets or lateral offsets in any direction.
$5,000 retail
SeaSoft Systems; 250 Ribera Dr., Ste. B; Santa Barbara, CA 93111; 805-683-3002 or 805-683-0440 (fax)

Steel Designer
Steel code design and optimization
Macintosh Plus or larger; 2.5 MB of RAM; System 6.0.7 or later.

Steel Designer automates the checking of structures to steel codes of practice. It is integrated with Multiframe so that it can directly access the results of a user's analysis and carry out design checks. Steel Designer gives users control over all aspects of the design process: which clauses they want to check, what effective lengths they wish to use and how the output is to be presented. It also provides a set of design aids that let users search through the structure for particular design criteria and graphically highlight areas of interest. Detailed tables of stresses, deflections and forces for the whole structure or just a single member let users quickly and effortlessly determine the critical loading conditions. Steel Designer provides users with a complete range of output combining text, tables and diagrams.
$695 retail
Graphic Magic Inc.; 180 Seventh Ave., Ste. 201; Santa Cruz, CA 95062; 408-464-1949 or 408-464-0731 (fax)

StormWorks Basin Design
Creates hydrograph/routing models
Macintosh Plus or larger; Microsoft Excel 2.2 or later.

StormWorks Basin Design creates hydrograph/routing models of small basins and retention/detention structures. A Pond Volume template provides tools for estimating required storage, and calculates actual storage and a stage/storage regression model. A Routing template determines values for maximum storage, peak stage and primary/secondary spillway outflow. An inflow/outflow Hydrograph is produced automatically. Flexible design parameter input and fast recalculation facilitate what-if design scenarios. Full documentation and context-sensitive help are included. The program is System 7 compatible.
$99 retail
$4 retail; demo
StormWorks; 2321 Englewood Ave.; Durham, NC 27705; 919-286-6638 (phone/fax)

Sunset Laboratory Computer Interface
Data collection and control
Macintosh LC family, Color Classic, Performa 400 and 500 series and Quadra 605; System 6.0.7 or later.

The Sunset Laboratory Computer Interface is a Macintosh application for data collection and control using the AIB-LC interface board. The program allows for data collection and analysis and graphically displays the results. A major feature of the program is a real-time digital storage oscilloscope mode where data can be collected at a rate of more than 86,000 samples per second. Three analog inputs can be monitored, with all three having unique calibrations. Control of the analog output and four digital input/output lines is also possible. The program also allows background data collection for periods of a few seconds to several months.
$49.95 retail
Sunset Laboratory; 2017 19th Ave.; Forest Grove, OR 97116; 503-357-5151 or 503-357-3168 (fax)

Super S.C.S.
Produces and documents stormwater management calculations
Macintosh Plus or larger; Microsoft Excel 2.2 or later.

Super S.C.S. is a complete system for efficiently determining and documenting runoff calculations. It simultaneously determines urban and rural peak discharge, runoff depth and storm volumes for 1, 2, 5, 10, 25, 50 and 100 Year Storms by SCS TR-55 method, accounting for soil types and land covers. The new version features multiple reporting options, "Button" operated macros and faster operation. It includes full documentation, Map Data Input, Planimeter Adjustment and multiple-year storm Rational Method Worksheets.
$79 retail
$4 retail; demo
StormWorks; 2321 Englewood Ave.; Durham, NC 27705; 919-286-6638 (phone/fax)

SuperScope
Virtual instrument software
Macintosh Plus or larger; Finder 6.0 or later.

SuperScope converts a user's Macintosh into a powerful lab instrument capable of collecting, analyzing, displaying and storing data. It can collect data from any IEEE 488 instrument using one of IOtech's Macintosh IEEE interfaces. SuperScope has built-in support for IOtech's 16-channel, 100 KHz analog to digital converter, the ADC488. Through menu selections and on-screen controls, all of the capabilities of the ADC can be accessed. Collected data is placed directly on the Macintosh screen in a selected waveform display. No programming is necessary to perform complex scientific data collection and analysis. For manipulating data, SuperScope provides more than 40 analysis functions, including transcendental, statistical and DPS operations, such as FFT,

These Products Available Through Bottom Line Distribution
1-800-347-1923

integration, Hamming weighting and IIR filtering. Because the SuperScope screen emulates an oscilloscope front panel, the controls are easy to operate and intuitive.
$995 retail
IOtech, Inc.; 25971 Cannon Rd.; Cleveland, OH 44146; 216-439-4091

TFCalc
Thin film calculations
Macintosh Plus or larger; 1 MB of RAM.

TFCalc enables users to design and analyze optical thin film coatings. It computes the reflectance, transmittance, absorptance, phase-change, electric field and color of multilayer coatings consisting of dielectric and metallic materials. The software is also capable of optimizing a coating design to meet specific performance targets. The results may be printed as either graphs or tables, or stored in files for processing by other programs. The software comes with databases of optical constants that may be edited.
$1,295 retail
Software Spectra, Inc.; 14025 NW Harvest Ln.; Portland, OR 97229; 800-832-2524 or 503-690-8159 (fax)

TK Solver Version 1.2
Problem-solving software
Macintosh 512K or larger.

TK Solver provides a mathematical problem-solving environment for engineers, scientists and financial analysts. It is a rule-based system that can be used as an algebraic problem-solving tool, a mathematical model builder and knowledge management system. The TK Solver program includes more than 70 built-in mathematical functions. Users can also create their own functions and routines using TK's built-in procedural language. TK comes bundled with a library of models and utilities for many different disciplines. It is fully System 7 compatible.

"Home-Use" TK offers current users of TK to get a copy for their home. To qualify, users must have a registered copy of TK at their workplace. This special version of TK has all the power found in the full version of TK.
$395 retail
$49 retail; "Home-Use" TK
$39 retail; upgrades from version1.1
Universal Technical Systems, Inc.; 1220 Rock St.; Rockford, IL 61101; 815-963-2220, 800-435-7887 or 815-963-8884 (fax)

TK SolverPacks
Tools to address real-world problems in specific disciplines
Macintosh 512K or larger; TK Solver.

TK SolverPacks provide users with the necessary tools to address real-world problems in specific disciplines. These predefined models are ready for immediate use or can be modified to meet specific needs. TK SolverPack models can be used as core building blocks or merged with existing models. An instruction book accompanies each TK SolverPack and provides an introduction, description of models, a list of the information needed to solve the models and sample solutions. The TK SolverPack family includes: Mechanical Engineering, Electrical Engineering, Engineering Calculations, Units Conversion, Building Design and Construction, Financial Management and Introductory Science.
$70 each retail
Universal Technical Systems, Inc.; 1220 Rock St.; Rockford, IL 61101; 815-963-2220, 800-435-7887 or 815-963-8884 (fax)

TLPsim
Comprehensive motion and load simulator for tension leg platforms
Macintosh Plus or larger; hard disk drive.

TLPsim is a comprehensive simulation used for design, evaluation, maintenance and tendon failure analysis of Tension Leg Platform (TLP)-type offshore oil and gas production systems. It provides detailed tendon and platform performance data under specifiable water depth and environmental conditions, including characteristic (r.m.s.) and peak tendon loads in the forecast maximum storm. A wide range of environmental conditions is accommodated, including extensive built-in wave spectral types, azimuthal spreading of wave directions, an optional independent background swell and steady or fluctuating wind and/or current. Tension leg platforms are characterized by extreme non-linearities at every phase of performance analysis; TLPsim accommodates these non-linearities at all levels, including system statics, quasi-statics and dynamics. TLPsim is suitable for on-board use in an advisory capacity during tendon adjustment or storm preparation. The simulation is especially useful for deep-water applications, which are difficult to study thoroughly using conventional model-scale tests. Simulation is carried out in the frequency domain, resulting in short execution times and unambiguous predictions of statistical response values.
$60,000 retail
SeaSoft Systems; 250 Ribera Dr., Ste. B; Santa Barbara, CA 93111; 805-683-3002 or 805-683-0440 (fax)

Tolculator 4.0
Geometric tolerance, design, inspection and mathematical analysis per ANSI for engineering, manufacturing and inspection/quality personnel
Macintosh Plus or larger; external disk drive or hard disk drive; Microsoft Excel 3.0.

Tolculator is designed to automate geometric tolerance analysis and mathematical analysis, such as analytic geometry, trigonometry, mensurations, etc., per ANSI and ISO standards for design, inspection and quality personnel. It is used to design interchangeable parts and gages, perform probability studies and tolerance circuit studies, make predictions on hardware tolerances and do all manner of conversions, including metric. It also automates sampling, histograms and limits and fits. The program will analyze circularity (roundness); find the least squares center; analyze flatness, parallelism, straightness of elements or axes; find the center of a pattern; do shop math, sampling studies, figure bonus tolerances and allowables based on actuals vs. drawing requirements; provide international tolerance grades; pick standard drills and geometric tolerances based on feature size/machining method; do thermal compensations; provide gage sizes; convert screw sizes to diameters; and more. Tolculator includes interactive graphs, color-coded cells, C.G., compond angle and other new analysis modules. The program is not copy protected.
$150 retail; program
$34 retail; computerized tolerancing practice workbook (CATA: Computer Aided Tolerance Analysis)
$59 retail; 740-page Geometric Tolerancing manual (AGT II)
International Geometric Tolerancing Institute, Inc.; 2943 Cortina Dr.; San Jose, CA 95132; 408-251-7058

TopCAD
Two-dimensional CAD system
Macintosh II family; 5 MB of RAM.

TopCAD is a high-end two-dimensional CAD system. It provides users with 110 different drawing methods for constructing primitives. The command set of TopCAD contains more than 500 drawing, editing, attribute setting, selection and basic commands, and many more can be defined by a user. Drawing elements can be created using any other drawing elements. Several drawing aids simplify creating and editing drawings. Several methods can be used to add precise dimensions to any type of primitives, distances or intersection angles between them. Other features include: fully associative dimensioning; nest procedures and commands; input and output capabilities; and more.
$2,995 retail
Graphisoft; 400 Oyster Point Blvd., Ste. 429; So. San Francisco, CA 94080; 415-266-8720, 800-344-3468 or 415-871-5481 (fax)

Towsim
Comprehensive motion and load simulator for tug-barge-towline systems
Macintosh Plus or larger; hard disk drive recommended.

Towsim is a comprehensive simulation used for design, evaluation, maintenance and failure analysis of simple or composite towlines used in open-ocean tug-barge-towline systems. It provides detailed towline and vessel performance data for a particular tug-barge-towline combination under arbitrary water depth and environmental conditions, including characteristic (r.m.s.) and peak towline loads in the forecast maximum storm for a particular route. The analysis can be used to optimize towline characteristics in trip planning for a specific route/environment and is suitable for on-board real-time use in an advisory capacity for setting optimal towline scope and/or optimal tug heading during storm penetration or survival preparations. Characteristics of the towline, including mass and elastic properties of each element of a multi-element towline, are fully specifiable. The tug-barge-towline system is characterized by extreme nonlinearities at every phase of the performance analysis; Towsim fully accommodates these nonlinearities at all levels, including system statics, quasi-statics and dynamics. Direct comparison of Towsim's nonlinear dynamic load calculation with the quasi-static catenary calculation often used as an approximation is provided as an output option. Simulation is carried out in the frequency domain, resulting in short execution times and unambiguous predictions of statistical response values.
$45,000 retail
SeaSoft Systems; 250 Ribera Dr., Ste. B; Santa Barbara, CA 93111; 805-683-3002 or 805-683-0440 (fax)

UConMac
Unit conversion utility
Macintosh 512KE or larger.

UConMac is a unit conversion utility designed for engineers and scientists. It is available as a Multi-Finder-compatible stand-alone application, as well as a desk accessory. It has 38 categories built in, including length, area, volume, plane angle, solid angle, time, linear velocity, angular velocity, linear acceleration, angular acceleration, flow rate, mass and weight, density, force, pressure, torque, moment of inertia, energy-work-heat, power, dielectric flux, electric flux density, electric current, current density, electric potential, potential gradient, electric resistance, electric conductance, electric resistivity, electric conductivity, capacitance, inductance, magnetic flux, magnetic flux density, magnetic potential, magnetic field intensity, light, kenematic viscosity and absolute viscosity.
$19.95 retail
Navaco; 420 Pasadena Dr.; Erie, PA 16505; 814-833-2592 (phone/fax)

Ultimage
Image processing and analysis software for scientific applications
Macintosh Quadra; 4 MB of RAM.

Ultimage is an image processing and analysis software designed for scientific, engineering and medical applications. It offers a complete set of functions for image visualization and enhancement, frequency processing, mathematical morphology, shape measurements and densitometry analyses. Image processing feature functions provide for contrast enhancement, extraction of contours and directional edges, noise removal, detail attenuation or highlighting. Functions include histogram manipulations, spatial and frequency filters, operators, etc. Image analysis features provide for object thresholding, shape modeling, filtering, particle detection, counting, sizing and distribution. Object's measurements include area, perimeter, center of gravity, orientation, shape factors, intensity values and many more. Standard image formats are 8- and 24-bit TIFF and PICT; 8-, 16- and 32-bit gray-level formats can be imported. Library of functions for use with the LabView programming language optional.
$2,300 retail
$3,500 retail; version with function library for LabVIEW
GTFS, Inc.; 2455 Bennett Valley Rd., #100C; Santa Rosa, CA 95404; 707-579-1733 or 707-578-3195 (fax)

Video VI
Image capture and analysis library for LabVIEW
Macintosh Quadra; 5 MB of RAM; LabVIEW.

Video VI is a library of functions for image capture, display and analysis for use with LabVIEW, graphical programming software from National Instruments. It allows users to download a video frame from a supported digitizer board into LabVIEW in the form of a 2-D array. TIFF files can also be loaded from disk. Images are displayed in a window in which users can select regions to analyze. Various color palettes can be selected to visualize the image. Text, graphics and

rulers can be overlaid in the image. The analysis functions of the library extract the coordinates and intensity of a point, the length and intensity profile of a line, the gray-level histogram and the area of selected regions. Any quantitative data is returned to LabVIEW where it can be further analyzed. Images can be saved in TIFF format and printed.
$350 retail
GTFS, Inc.; 2455 Bennett Valley Rd., #100C; Santa Rosa, CA 95404; 707-579-1733 or 707-578-3195 (fax)

Vertical Markets/Farming

Beef Profit Projection
Balances beef rations
Macintosh 512K or larger; 800K disk drive.
Beef Profit Projection uses least-cost formulation to balance beef rations. Current NRC requirements are built in. The program stores ingredients, formulas, solutions, costs, animal data and nutrients. It also has a batch mixer report, ration analysis and a profit projection. The program has advanced features, such as parametrics, optimum density and factoring.
$195 retail
General Systems, Inc.; PO Box 342; Florissant, MO 63032; 314-576-4766 or 314-831-6214 (fax)

Dairy Ration Balancing
Balances dairy rations
Macintosh 512K or larger; 800K disk drive.
Dairy Ration Balancing uses least-cost formulation to balance dairy rations. Current NRC requirements are built in. The program stores ingredients, formulas, solutions, costs, animal data and nutrients. It also has a batch mixer report, ration analysis and a profit projection. The program has advanced features, such as parametrics, optimum density and factoring.
$195 retail
General Systems, Inc.; PO Box 342; Florissant, MO 63032; 314-576-4766 or 314-831-6214 (fax)

Feed Formulation
Provides least-cost formulation
Macintosh 512K or larger; 800K disk drive.
Feed Formulation provides least-cost formulation using a user's specifications, ingredient supply, quality and market cost. It stores ingredients, formulas, solutions, costs and nutrients. The program also has inventory, batch mixer report and ration analysis. It has advanced features, such as parametrics, optimum density and factoring.
$195 retail
General Systems, Inc.; PO Box 342; Florissant, MO 63032; 314-576-4766 or 314-831-6214 (fax)

GreenLeaf Chemical Reporting
Farm chemical application program
Macintosh with 5 MB of RAM; 5 MB of free hard disk space.
GreenLeaf Chemical Reporting is a complete chemical application record keeping program. Features include: list of chemicals, including manufacturers, EPA numbers and warning signals; ability to add, delete or hide chemicals at any time; stores applications for numerous years (limited only by the available hard disk space); applications are stored by variety, block, field, crop, etc., and then by date; prints all applications, or just the one users want to see now; prints a report on all locations a particular chemical was used on; and prints a summarized report, or full report, which includes wind direction and velocity, sections, townships, ranges, comments, etc. The program has the ability to pre-draw the maps of crop locations (using a graphics program) and then import them to be included in the reports. Or users can print the report and hand-draw the map if they choose.
$295 retail
GreenLeaf Systems, Inc.; 1102 12th St.; Hood River, OR 97031; 503-387-2626

GreenLeaf Farm Accounting
Farm accounting program
Macintosh with 68030 or larger processor; 8 MB of RAM; 15 MB of hard disk space.
GreenLeaf is a cash basis integrated farm accounting program that includes Payroll, Accounts Payable, General Ledger, Division Accounting and Chemical Reporting. It calculates all payroll taxes for Federal, as well as all Oregon and Washington state taxes. Three custom taxes are available. Features include: user-changeable tax tables; crew payroll and daily tally sheets; keeps track of draws, calculates average wage per hour, prints checks, W-2s and W-3 information; simple checkbook functions, including bank reconciliation; division accounting; prints 1099 information; up-to-date financial reports; stores numerous years worth of data (no need to close at year end, just switch year and go on); date-sensitive reporting features (look up a check written to an employee in the prior year; match this year's income to last year's expenses); list of chemicals provided; complete with EPA numbers and warning signals; and the chemical program meets all national requirements.
$995 retail; demo is available (call for information on module purchase)
GreenLeaf Systems, Inc.; 1102 12th St.; Hood River, OR 97031; 503-387-2626

MacDepreciation
Depreciation schedule for farming software
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.
MacDepreciation was developed to enable individual farmers to record, calculate, review and evaluate depreciation schedules. The program utilizes the modified accelerated cost recovery system (MACRS) and allows the selection of either 150 percent declining balance or straight line methods for the half-year convention. MacDepreciation automatically evaluates the individual farmer's depreciation basis for the current year and will convert to the mid-quarter convention if conditions require it. A depreciation schedule is created for each new item entered. Selection of the item's class type is simplified by the inclusion of a radio button list describing common items, such as "autos," "light trucks" and "machinery." Upon choosing the appropriate class type, the item's depreciation length in years is automatically assigned. The item's description, date placed in service, type of schedule and depreciation amount are recorded and available for review. A farmer can review and print an itemized list of the depreciation items for a specific year or track the schedule for a particular item. A farmer can use the program to try what-if scenarios and make better informed decisions concerning purchases.
$390 retail; includes Panorama Direct
MacEssentials; 422 5th St. SE; Watertown, SD 57201; 605-886-2553, 800-658-3899 or 605-886-2739 (fax)

MacHorse
Horse management program for veterinarians, breeders and trainers
Macintosh Plus or larger; hard disk drive.
MacHorse is an information manager designed for horse farms, stables, veterinarians, breeders and trainers. The program allows users to plan a work schedule for the day, the week or next year, and permits looking back at last year's experience to improve performance. It also manages breeding information, farm resources, expenses and billing.
$750 retail
Dapple Computers; Rattlesnake Mountain; Union Mills, NC 28167; 704-287-8783

MacSchedule F
Profit or loss from farming software
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.
MacSchedule F was designed to enable individual farmers to record, review and retrieve information on profit or loss from farming. It was patterned after the actual IRS Schedule F Form 1040 and features one form for entering or reviewing income and another form for entering or reviewing expenses. Category items entered and their totals, such as "Feed Purchased" or "Sales of Livestock," are available for review on demand almost instantly. Individual income or expenses can be recorded at any time throughout the year. Specific income or expense categories can be retrieved, examined and modified if necessary. Enterprise tracking can be done by sub-category labels. Printing is available for items from each schedule F category, such as "Chemicals" or "Gasoline, fuel and oil." Year-to-date analysis, which can involve thousands of calculations, takes only seconds and can be viewed on screen or printed. The results can be used for planning throughout the year or as a scratch copy for completing the actual Schedule F form at tax time.
$390 retail; includes Panorama Direct
MacEssentials; 422 5th St. SE; Watertown, SD 57201; 605-886-2553, 800-658-3899 or 605-886-2739 (fax)

Pied Piper
Helps farmers track pesticide spraying events
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.7 or later; Newton MessagePad; 1 MB PCMCIA; Connection Kit 2.0.
Pied Piper helps farmers track pesticide spraying events for later reporting to state and federal agencies. Users can track mixers, applicators/drivers, fields (with maps), crops and varieties, tanks, chemicals and formulae. Users enter the above chosen from pop-up menus, plus the date, time, temperature, wind velocity and direction appropriate for each spraying. At any time, users can specify queries to report a subset of sprayings. Optionally, users can choose to enter the data directly (also utilizing pop-up menus) into the Newton MessagePad version in the field. This data can then be loaded directly into the Macintosh for storage and querying, and the Newton can be set up with data exported from the Macintosh version.
$195 retail; Macintosh
$99 retail; Newton
Pinehill Software Corp.; 53 Siders Pond Rd.; Falmouth, MA 02540; 508-548-4470 or 508-548-8731 (fax)

Vertical Markets/Film & TV Production

AccuPrompt
Tool to create, organize and scroll scripts for live or commercial production
Macintosh with 68020 processor or larger; 1 MB of RAM; System 7.0 or later.
AccuPrompt is a comprehensive system for creating scripts, arranging them in run order and scrolling them for live teleprompting. Scripts can be viewed on a stand-alone Mac or any NTSC monitor for commercial production, corporate theater or television news production environments. AccuPrompt is advanced, yet easy to operate and offers a vividly clear prompter display and incomparable smooth scrolling text. Simple flexibility, speed and high degree of customization, AccuPrompt offers more text formatting options than any other teleprompting product. Operators can constantly monitor live scrolling text on screen with options of instantly editing scripts. WorldScript compatible, AccuPrompt can create and scroll scripts in any language. Other features include: global search and replace; multiple hot keys while prompting live; unlimited fonts by size and style; variable scrolling sensitivity; auto underscan/overscan compensation; supports XTND file translation; direct import capabilities from many Mac to DOS formats; dynamic time scales; fully networkable; and an integrated word processor.
$3,990 retail
Questar Systems; 1800 Water Pl., Ste. 100; Atlanta, GA 30339; 404-956-0700 or 404-956-8781 (fax)

After Effects 2.0.1
Motion graphics, video compositing and special effects software too
Macintosh II or larger (68030 processor recommended); Floating Point Unit; 4 MB of RAM (8 MB recommended); System 7.0 or later; QuickTime 1.6 extensions.
After Effects is a motion graphics, video compositing and special effects software tool for the Macintosh. It enables Macintosh users, video producers, broadcast designers and animation professionals to create superior-quality video productions. After Effects' unique key frame-based interface and powerful compositing capabilities make it the preferred application for professional-quality animation. After Effects 2.0 allows After Effects users to edit motion paths between key frames in the Composition window and unveils a new timeline view that is designed to display vital information that motion graphics professionals require. Traditional speed optimizations and a plug-in architecture created to take advantage of acceleration technologies that will speed up rendering and preview time.

These Products Available Through Bottom Line Distribution
1-800-347-1923

$1,995 retail
CoSA, a division of Aldus Corp.; 411 1st Ave. S; Seattle, WA 98104; 206-928-4526 or 206-233-7375 (fax)

ARTI Control Station
Video editing interface for ARTI Video Publisher software
Macintosh SE or larger.

The Control Station provides a traditional editing interface for the Video Publisher. By plugging directly into the Macintosh keyboard, the Control Station provides editing controls identical to those found on professional editing systems, including jog/shuttle knob and buttons for play, pause, fast forward, rewind, goto, preview, perform, mark in, mark out and source A, B or recorder select.
$595 retail
Advanced Remote Technologies, Inc. (ARTI); 307 Orchard City Dr., Ste. 204; Campbell, CA 95008; 408-374-9044 or 408-374-3623 (fax)

The ASDG Abekas Driver
Gives users Abekas digital video tape capability
Macintosh with 8 MB of RAM; System 7.0.1 or later.

ASDG Abekas drivers allow users to read and write digital video tapes in the Abekas Digital Disk Recorder format. This software, along with an Exabyte EXB-8500 or EXB-8505 tape drive, enables users to: single frame record on inexpensive media in full D1 quality to a device that never shows drop-outs; make use of professional service bureaus, which can transfer Abekas digital video tapes to and from any other video format; and quickly and easily bulk transfer thousands of frames of NTSC or PAL video to and from a user's clients in the full color and resolution that D1 digital video allows (this can be raw footage users receive or the finished shots users deliver back to the client).
$495 retail
ASDG, Inc.; 925 Stewart St.; Madison, WI 53713; 608-273-6585 or 608-271-1988 (fax)

AudioVision
Digital audio editing
Macintosh Quadra 950.

AudioVision is a multitrack digital audio workstation to sync-lock digital picture with audio for fast, creative and precise audio editing. Integrated digital picture lets users assemble and play back audio tracks with unsurpassed speed and precision. Unlike traditional digital audio workstations, AudioVision gives users instant access to synchronized sound and picture. Because all source material — picture and sound — is stored on optical or magnetic disks, users have instant random access to any part of their program, any time. Completely intuitive and easy to use, AudioVision's graphical interface was specifically designed for the audio professional. Features include integrated digital picture, automated dialog replacement (ADR), Foley, film-style looping, auto-conform, a powerful workreel database, real-time multichannel input/output and more.
Call for pricing
Avid Technology, Inc.; Metropolitan Technology Park; One Park West; Tewksbury, MA 01876; 508-640-6789, 800-949-2843 or 508-640-1366 (fax)

AutoActuals 4.0
Bidding and actualizing template
Macintosh Plus or larger; Microsoft Excel 3.0 or later; System 6.0 or later.

AutoActuals is an easy-to-use actualizing template for AICP producers who use Microsoft Excel. Users enter POs into the log and then select AutoActualize from the menu. Each AICP line item is totaled and pasted into a user's bidding template. The program includes a bidding template that displays the grand totals at all times. Powerful search and find features make it indispensable during production to keep track of actual expenses. It can automatically print a list of all searched matches, and can be used with any bidding template. AutoActuals was recently updated to include a timesheet module that computes and actualizes crew payroll as well.
$379 retail
PowerProduction Software; 2512 Curtis Ave., #1; Redondo Beach, CA 90278; 310-370-4793 or 310-370-2413 (fax)

Avid Media Composer
Digital, non-linear, online/offline video and film editing systems
Macintosh IIci, IIfx, Centris 650 or Quadra 900/950 (platform requirements depend on Media Composer model).

The Avid Media Composers are a family of compatible, upgradeable digital editing systems offering a host of features for both online and offline editing. Features include a range of image resolutions, 24 tracks of CD-quality audio, graphics keying and motion effects, real-time dissolves and wipes and programmable digital video effects. The Media Composer uses advanced JPEG video compression and handles both NTSC and PAL formats.
Call for pricing
Avid Technology, Inc.; Metropolitan Technology Park; One Park West; Tewksbury, MA 01876; 508-640-6789, 800-949-2843 or 508-640-1366 (fax)

CodiBoss Software
Controls the Chyron Codi character generator
Color-capable Macintosh; System 7.0 or later.

CodiBoss is a Macintosh-based application that offers complete control of the Chyron Codi character generator. CodiBoss windows offer a friendly WYSIWYG interface and intuitive menus and controls provide easy access to all Codi functions. With CodiBoss, users can create a sequence of messages using rolls, crawls and other transition effects. Sequences can also include flash effects and commands that control the on-screen digital clock. A single click on the Play button loads and plays the sequence. CodiBoss includes a built-in timer that can automatically play a user's sequence at any designated time and can repeat execution at any regular interval. Messages can be overlaid on live video or a custom background. CodiBoss allows users to use a unique color palette and background with each message. Users can also import text from any word processor. Commands are provided for downloading new fonts and PCX graphics to the Codi.
$495 retail
RGB Technology, Inc.; 11440 Isaac Newton Sq., Ste. 200; Reston, VA 22090; 703-834-1500 or 703-834-1506 (fax)

Comet/CG
Character generation and video titling software
Macintosh II or Quadra; 8 MB of RAM; System 7.0 or later.

Comet/CG represents a new approach to keying text and graphics over live video. More than just a character generator, Comet/CG is an innovative video publishing solution to display top-quality anti-aliased fonts and graphics suitable for the professional video and broadcast environments. With Comet/CG, users can control every aspect of their text, including font scaling, manual kerning, individual line leading, shadow types and video transparency. The flexible gradient editor can be used to create multicolor gradients and video transparency gradients. Users can combine all those options with video-oriented screen formats, like dual column credits, and will find that creating video titles has never been easier. Comet/CG lets users create motion paths with field rendering for high-quality anti-aliased animation of titles.
$995 retail
McRoberts Software Inc.; 7322 Whitehall Dr.; Indianapolis, IN 46256; 317-842-5097 or 317-842-0084 (fax)

CostumePro 3.0
Costume breakdown and budgeting program
Macintosh Plus or larger; Microsoft Excel 3.0 or later; System 6.0 or later.

CostumePro is a time- and step-saving program for motion picture and television costume designers. Users enter the character information into the crossplot and the breakdown sheets are automatically created. When changes are made, the breakdown sheets update. All worksheets are integrated so budget numbers follow changes made on the crossplot, further reducing data entry time. Powerful search and find features make it easy to keep up with each new script revision. It is designed by professional costumers and costume designers.
$549 retail
PowerProduction Software; 2512 Curtis Ave., #1; Redondo Beach, CA 90278; 310-370-4793 or 310-370-2413 (fax)

The Credits Database
A powerful, flexible film and credits research database
Macintosh SE/30 or larger; 8 MB of RAM recommended; 4th Dimension; PostScript printer recommended.

The Credits Database is delivered complete with data for all major releases since 1980; nearly 2,000 film records and 40,000 credit records (and the list keeps growing). It produces credit lists and film research reports with an easy-to-use report generator capable of handling complex queries. Users can store results of searches in built-in word processor and/or spreadsheet documents for incredible flexibility. The database uses Panolog's own Entertainment industry data, available by subscription. This product is for single-user use only. Customization is available.
Call for pricing
Panolog Software; Attn: Dan Nash; 4450 Lakeside Dr.; Burbank, CA 91505; 818-559-4277 ext. 122 or 818-559-4283 (fax)

Cue 3.05 — The Film Music System
Comprehensive software package for film composers and music editors
Macintosh Plus or larger.

Cue is a comprehensive software package for film composers and music editors. It automates every paperwork task and calculation that occurs in the process of creating sound and music that synchronizes to a picture. To score a film, a user must first create a click track that catches important events in the picture. Cue automates this task by having the Macintosh calculate click times for important visual events and decide on necessary tempo and meter changes, leaving a composer free to concentrate on the more creative side of film scoring. Cue has the ability to sync clicks, sound effects and MIDI files to a film's SMPTE track through MIDI Time Code. Cue lets a user trigger up to 40 MIDI events at specified SMPTE locations, each with an independent note value, velocity and duration. SMPTE lock also allows the input of cue points directly from videotape with a single keystroke. When using VITC (Vertical Interval Time Code), tape decks can be paused and cue points entered accurately directly to the computer. Another major feature of Cue is the ability to print customized score paper of up to 12 staves. Each system of staffs has a reference click track above it showing cue point information derived from the cue sheet. Cue will also print a master cue list and performing rights cue list for each project, customized with all stored information. Cue is System 7 compatible.
$595 retail
Opcode Systems, Inc.; 3950 Fabian Way, Ste. 100; Palo Alto, CA 94303; 415-856-3333 or 415-856-3332 (fax)

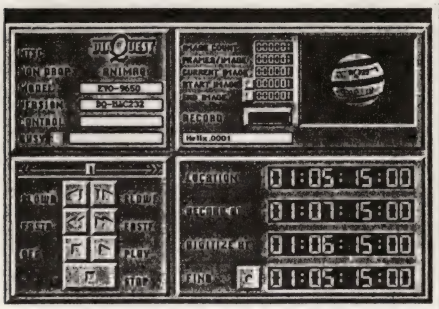
CVideo
Documents and locates scenes on video tapes and discs
Macintosh Plus or larger; System 6.0.4 or later.

CVideo is a powerful tool for cataloging and locating scenes on video tapes and discs. Coaches can review plays in games. Lawyers can prepare depositions for trial. Market researchers can analyze focus groups. Teachers can examine their performance. CVideo links any Macintosh computer to Sony VCRs and camcorders via an included Control-L (LANC) cable or, for timecode accuracy, to a Sony Vdeck. CVideo provides video control with simple keystrokes. A built-in word processor enables users to catalog and annotate each video scene. Start and end times can be attached to any paragraph automatically. With a simple mouse click, CVideo locates any scene within the video, by fast-forwarding or rewinding to the exact start time. Custom AppleEvents allow access to video capabilities from within any application. Users learn CVideo in five minutes or less, and never go back to controlling video by hand.
$150 retail
Envisionology; 4104 24th St., #344; San Francisco, CA 94114; 415-574-7777 or 415-574-7541 (fax)

■ **DigiTrax**
Audio recording and editing
Macintosh Centris, Quadra 660AV, Quadra 840AV or Macintosh II with NuMedia audio card installed; 8 MB of RAM; hard disk drive.

DigiTrax is a professional tool to help users create a high-quality audio sound track for their production. DigiTrax harnesses the power of the AT&T 3210 DSP (Digital Signal Processor) to bring the desktop powerful editing features to the Macintosh. Features include: six simultaneous tracks of audio playback and mixing; editing; QuickTime support; MIDI synchronization; CD-ROM control; and extendible architecture.
$349 retail
Alaska Software; 1197 Pomelo Ct.; Sunnyvale, CA 94087; 408-738-3320, 800-500-3320 or 408-524-9699 (fax)

DQ-MAC232
Video controller for RS-232 controlled video recorders
Macintosh II or Quadra family.



DQ-MAC232 is a Macintosh software-only video controller for RS-232-controlled video recorders. It provides a lower-cost solution for frame-accurate Macintosh animation recording and digitizing. In addition to providing 100 percent frame accuracy, Diaquest also includes a full range of software interfaces to leading Macintosh graphics file formats and third-party graphics, animation and multimedia applications. These interfaces include plug-ins for Adobe Photoshop and compatible products, as well as X Objects for Macromedia Director and Three-D. DQ-MAC232 controls the Sony EVO-9650 Hi-8 animation recorder, as well as the popular laser disc recorders from Pioneer and Sony in NTSC and PAL video standards. Sequential frame digitizing and alpha channel compositing is available with the Digi-Comp option.
$995 retail
Diaquest, Inc.; 1440 San Pablo Ave.; Berkeley, CA 94702; 510-526-7167 or 510-526-7073 (fax)

Edit-San
A/B Roll editing system
Color Macintosh with 68030 processor or larger; 4 MB of RAM; 2 MB of free hard disk space; serial port.

Edit-San was created to fill the need for a low-cost A/B Roll system that provides the professional features requested by most editors today. Edit-San is designed to operate with Sanyo's GVR-S950, a full-featured S-VHS editing VCR. From control of serial switchers and TBCs to program auto-assembly and edit decision list management, Edit-San has answered the demands of the current video editing marketplace. Edit-San lets users create tape logs right from the editing software, and then build edit decision lists directly from the tape logs. Users can actually auto assemble a rough cut right from their logs without doing any manual editing. The combination of Edit-San with three GVR-S950s make it a low-cost, high-featured A/B Roll editing system. Users can even import and export industry standard EDL formats.
$1,895 retail; A/B Roll
$1,395 retail; Cuts only
TAO, Inc.; PO Box 1254; Rolla, MO 65401; 314-364-4925, 800-264-1121 or 314-364-5631 (fax)

Entertainment Industry Health & Safety Manual
Assists production companies in integrating a health and safety program into their daily operations
Macintosh Plus or larger; System 7.0 or later.

Due to new standards imposed by governmental Occupational Health and Safety organizations, it is highly recommended that all production companies implement and maintain an extensive, well structured health and safety program. In response to this new legislation, ESI has prepared the Entertainment Industry Health & Safety Manual. This manual has been specifically designed to assist production companies in integrating a health and safety program into the daily operations of their company. The whole package has been assembled by Entertainment Solutions into a computer program that contains all of the manual on one disk (more than 400 pages). The program is personalized to its owner and allows them to print multiple manuals and specific sections of the manual as needed. This makes it easy and inexpensive to post the required Cal/OSHA bulletins in as many places as the company is operating on any particular day. The manual itself facilitates in structuring the company's health and safety program. A comprehensive program ensures a company's good standing with regard to OSHA regulations and substantially decreases the likelihood of being levied heavy fines and, in some cases, facing criminal prosecution. The complete package consists of one copy of the program and one printed and bound manual.
$495 retail
$395 retail; computer program only
Entertainment Solutions, Inc.; 8700 Wonderland Park Ave.; Los Angeles, CA 90046; 213-656-5500 or 213-656-5589 (fax)

Entourage 3.2c
Database of theatrical agencies, movie stars, musicians, producers and more
Macintosh Classic II or larger; SuperDrive and hard disk drive (recommended); System 7.0 or later.

Entourage is a FileMaker Pro-compatible database of more than 500 theatrical agencies, 2,000 famous stars, musicians, producers, directors and writers. It lists celebrities' home addresses, along with agency business addresses and phone numbers. Also included are a host of entertainment industry organizations, industry magazines, catalogs, recording labels, film companies and miscellaneous contacts (both foreign and domestic) to aid the professional or aspiring screenwriter, actor, composer or entertainer. Multiple layout formats, scripts and online help are supplied within Entourage with automated buttons to facilitate ease of use. The database also uses color to group and differentiate information. Entourage is fully documented.
$39 retail
SOFPROTEX; PO Box 271; Belmont, CA 94002

Envoy Digital Image Transporter
NTSC encoding and image transmission software
Macintosh SE/30 or larger; MultiBuffer DS-2.

Ensemble's Envoy software is used to seamlessly integrate computer graphics into NTSC Analog or D2 production work. The Envoy Digital Image Transporter performs precision numerical encoding of the image, producing the same high-quality result expected from expensive digital hardware encoders. The encoded image is then transmitted over a local area network to an image buffer in any of the MultiBuffer DS-2s in the facility. The DS-2's dual buffers allow simultaneous use of both video and alpha (or key) signals for graphics layering in analog, or digital production switchers. When the D2 output of the DS-2 is used, the entire path from the original graphic to D2 is entirely digital. Features and benefits include: computer is free after graphic is transmitted; works with a variety of graphics file formats; MultiFinder compatible for background transfers; and requires no special video board or graphics adapter. Envoy is System 7 compatible.
$5,200 retail; bundled with DS-2 Digital Image Store
Ensemble Designs; PO Box 993; Grass Valley, CA 95945; 916-478-1830 or 916-478-1832 (fax)

Fastbreak Event Management Software
Broadcast automation control
Macintosh SE or larger; 2 MB of RAM; 20 MB hard disk drive.

Fastbreak integrates a flat-file database with machine control, with primary emphasis on the Pioneer VDR-V1000 rewritable laserdisc recorder and its companion player, the VDP-1100. The software takes advantage of the dual-head design of the VDR, which allows Betacam-quality non-linear playback of Events recorded on the removable discs. Event Lists sequence the playback of spots, IDs, bumpers, promos, etc. The software manages the transfer of audio and video between tape and disc machines, and accepts daily Play List information in ASCII form from many popular traffic systems.
$4,950 to $14,950 retail; depending on software modules purchased
Sundance Technology Group; 6309 N. O'Connor Rd., Ste. 111; LB 128; Irving, TX 75039; 214-869-1002 or 214-869-1026 (fax)

FastCap
In-house closed captioning production tool
Macintosh Plus or larger.

FastCap is an in-house closed captioning production tool that offers fast, affordable broadcast-quality encoding by using Macintosh-based software. Developed by an online editor, FastCap has a built-in tape machine interface that enables frame-accurate, random placement of pop-on captions. Unlike most captioning software based on text editors, FastCap has a simulated TV screen set up like a character generator, allowing the captioner to actually see where the captions will appear. Other features include: importation of text files with automatic pasting or standard cut and paste, on-screen VTR controls with command key equivalents, automatic file back-up, automatic time calculations for caption displays and global "rippling" of SMPTE timecode information. FastCap requires the following peripheral equipment: line 21 encoder, videotape machine and a video monitor. FastCap requires continuous use of both serial ports.
$3,995 retail
Silent Software; PO Box 40100; Nashville, TN 37204; 615-383-4164 or 615-269-0599 (fax)

FilmProfit
Tool for planning successful films
Macintosh Plus or larger.

FilmProfit is a dynamic computer program that comes with a User's Guide to Film Distribution, a text full of hard-to-get data and information. This package can quickly increase a user's knowledge about reaping profits from motion picture deals. Users simply fill in a set of screen-sized forms and generate on-screen and printed reports and charts. The reports and charts clearly show how fast a film pays off its debts, what portion of its revenues go to distribution fees and how revenues from the theatrical, home video, TV, cable, foreign and other markets stack up as percentages of its total revenues. Users gain quick control of the economics and timing of their distribution markets. Production advances, overhead charges, grants, gross participations, P&A, interest on advances/loans and much more are all clearly discussed in the Guide and calculated in the computer program.
$99.95 retail
Big Horse Inc.; 1536 18th St.; San Francisco, CA 94107; 415-431-5149 (phone/fax)

Final Draft 2.0
Professional script writing software
Macintosh Plus or larger.

Final Draft is professional script writing software. It has complete word processing features, such as multiple typefaces, styles and sizes; headers; on-screen ruler; find and replace; spell checking; automatic pagination; import and export; and more. It knows the many formatting rules that must be followed when writing a screenplay: slug lines, action, character names, dialogue, etc., as well as where and when to break pages. All of this is done automatically as the script is entered, providing an effortless environment in which to write creatively and easily.
$349 retail
MacToolkit; 1234 6th St., Ste. 204; Santa Monica, CA 90401; 310-395-4242 or 310-393-7747 (fax)

Footage '91: North American Film And Video Sources
Services and policies of film organizations
Macintosh Plus or larger; CD-ROM drive.

Footage '91 describes the services and policies of more than 1,600 organizations (television stations, private commercial and non-profit film archives, university collections) that collect and supply filmed and taped images for use by others. Entries cover address, telephone number, contact person, summary

These Products Available Through Bottom Line Distribution
1-800-347-1923

of services, collection description, availability of a collection catalog, access policy, fees policy, use restrictions, viewing and duplicating facilities and publications. This exclusive CD-ROM version starts with all the information from the 795-page print version, now updated and enhanced with the addition of hundreds of new entries. It also includes the full catalog listings of more than 20 significant film and video resource organizations. Users can search the entire disc for any word, phrase or title, or use any of thousands of built-in links to navigate this reference within the rich hypertext environment of HyperCard.
$199.95 retail
Highlighted Data, Inc.; 6628 Midhill Pl.; Falls Church, VA 22043; 703-533-1939 or 703-533-2039 (fax)

Frame2Frame
Editors' log and calculator
Macintosh Plus or larger; Microsoft Excel 3.0 or later; System 6.0 or later.

Frame2Frame is an editors' log and calculator for film/video productions. Uses enter feet and frame numbers of film shots, and Frame2Frame computes video time. The program computes and enters video minutes, seconds and frames onto a user's online log for any camera shooting speed. It also includes a calculator for video to film calculation. Designed by a commercial editor, Frame2Frame cuts online prep time, as well as online confusion by printing professional-quality logs.
$99 retail
PowerProduction Software; 2512 Curtis Ave., #1; Redondo Beach, CA 90278; 310-370-4793 or 310-370-2413 (fax)

Hitchcock
Professional non-linear video editing
Macintosh II or larger; 10 MB of RAM; 80 MB hard disk drive; System 7.0 or later; QuickTime 1.6.1 or later; JPEG-based video compression board.

Hitchcock is a software package designed for professional non-linear video editing, print-to-tape of JPEG video and offers EDL and QuickTime movie export. Hitchcock brings a complete random-access, disk-based editing system to the Macintosh platform — including full-motion (60 fields per second), full-screen (640 by 480) JPEG video, editable transitions and stereo digital audio. Hitchcock supports video professionals who want more to enjoy the benefits of a high-quality, non-linear video editing solution that works with off-the-shelf JPEG video digitizing boards.
$1,995 retail
CoSA, a division of Aldus Corp.; 411 1st Ave. S; Seattle, WA 98104; 206-928-4526 or 206-233-7375 (fax)

IMTX 8000
Multimedia integration system that brings audio/video control to the Macintosh desktop
Macintosh II.

The IMTX 8000 is a professional-quality, personal computer peripheral for integrating audio and video equipment. It is a self-contained desktop video hub that incorporates full machine control, audio/video routing, audio mixing, sync generation and frame accurate SMPTE time code indexing. The video paths support broadcast-quality NTSC. The IMTX 8000 manages video signals from up to eight devices and five auxiliary sources, including the host computer. It also routes up to 24 audio signals through eight mix channels. The unit supports all standard variations of serial, parallel and Control-L equipment. Access to the system is via an XCMD library addressable from all Macintosh scripting environments: HyperCard 2.0, Macromedia Director, Authorware and SuperCard. A sample cuts-only edit stack is shipped with the product.
$7,995 (base) to $11,500 (with current options) retail
IMT — Interactive Media Technologies; 13402 N. Scottsdale Rd., Ste. B-155; Scottsdale, AZ 85254; 602-443-3093, 800-678-4689 or 602-443-3086 (fax)

InMotion Machine Controller For Animation
Provides field accurate animation
Macintosh SE/30 or larger; Envoy Software; Multi-Buffer DS-2.

Field accurate animation is a snap with the InMotion Machine Controller for Envoy Software and Multi-Buffer DS-2. The fully digital path keeps animations transparent from creation to completion, Macintosh to video, making for great looking animation sequences. Analog output is also available. Field rate animation (as opposed to frame rate) gives users twice as much control as most other machine control options available. An incredibly smooth sequence with no jerky motion is attained because users can set the field rate as high as 60 images per second. All encoding, decoding and filtering is done digitally in software, which ensures a clean, transparent signal. Users don't need an extra video card and quality is not dependent on the resolution of the monitor. Transport control is built into the DS-2; no animation control board is needed. From the desktop, users select which VTR the DS-2 is serially controlling. InMotion Machine Controller supports PICT, PICS and QuickTime movies and is full 32-bit resolution, providing animation of both the video and associated alpha signal.
$1,000 retail
Ensemble Designs; PO Box 993; Grass Valley, CA 95945; 916-478-1830 or 916-478-1832 (fax)

Lots A Plots
A wealth of ideas
Macintosh Plus or larger; HyperCard 1.2 or later; System 6.0 or later.

Lots A Plots is a wealth of ideas at a user's fingertips. Millions of one-liner stories are generated from the galaxy of ideas. Just click and a new story appears. It's a sure cure for writer's block. Users can add their own words to the lists of items used to create even more variations to the random stories. Users shouldn't be surprised if they see their favorite movie go by. The results can be heart-warming, funny, ridiculous and even hysterical.
$29 retail
PowerProduction Software; 2512 Curtis Ave., #1; Redondo Beach, CA 90278; 310-370-4793 or 310-370-2413 (fax)

Luna
Professional video post-production software
Macintosh II or Quadra; 8 MB of RAM; NuVista video-graphics card.

Luna video post production software creates a unique set of features in one convenient program, providing a variety of true-color 32-bit effects, video events and enhancements, all in real time. Luna real-time effects will give a user's video production effects never before available on a computer. Unique 32-bit color cycling, posterization, video noise threshold and strobe will give a user's video work an immediately visible boost in quality. Luna gives users all the advanced features needed for the highest quality productions at an affordable price for the cost- and quality-conscious video professional. Luna also ships with a 30-minute videotape documentation that demonstrates each feature, examples of the effects and how Luna can enhance a user's video productions, presentations, rotoscoping and animations.
$295 retail
McRoberts Software Inc.; 7322 Whitehall Dr.; Indianapolis, IN 46256; 317-842-5097 or 317-842-0084 (fax)

■ Mac Video Poster
Creates and plays pages that can be used to deliver an advertising channel on a color TV or Macintosh monitor
Color Macintosh; System 7.0 or later.

Mac Video Poster creates and plays pages that can be used to deliver an advertising channel to be shown on a color TV or on a Macintosh monitor. Tools are available to set up multiple display pages that include PICT and Paint format pictures, flashing text lines, horizontal message crawl lines and standard text. Once created, pages may be played in continuous rotation. It is possible to create full-color product display catalogs. Mac Video Poster turns a Macintosh into a high-quality character generator with HiRes color graphics capabilities. Pages can be previewed and played individually or as a group. All Macintosh fonts and font sizes are supported. Symbols and fonts can be put in motion, allowing them to be moved across the screen when the page is displaying. Graphics from any program can be shown. A user-friendly page setup and design is fast and efficient. Each text line can have different letter and background colors. Text lines can be positioned anywhere on the screen, where they will flash or crawl or automatically center on the page. Pages can be played directly on TV using various resolution formats, including NTSC video when using any Macintosh with A/V capabilities. Pages can be updated remotely via modem with Apple's Remote Access program.
$495 retail; demo program and demo video VHS tape are available
Engineering Consulting; 583 Candlewood St.; Brea, CA 92621; 714-671-2009 or 714-255-9984 (fax)

Mac Video Titler
Video character generator
Macintosh II or larger; 1 MB of RAM; System 6.0.5 or later. For title creation and output, Mac Video Titler requires 5 MB of RAM; 32-bit QuickDraw; video output card.

Mac Video Titler is a software-based video character generator for the Macintosh. It provides an inexpensive tool for creating high-quality title graphics for video productions. Working with Adobe Type Manager and Apple TrueType fonts, Mac Video Titler creates fully anti-aliased titles over a solid background color or any PICT file as a background. It lets users select fonts, sizes, styles and colors on a character-by-character basis. Drop shadows with selectable shadow depth and color are also available. Mac Video Titler works with any NTSC or PAL video output card for the Macintosh, and supports resolutions of up to 768 by 576 pixels at either 256 or 16.7 million colors. Users can save title screens as highly efficient Mac Video Titler files and/or as finished PICT files ready for use in video production and editing. Mac Video Titler even comes with a built-in video graphics font that lets users draw lines, shapes and borders. Mac Video Titler comes with a site license so users can create title files offline, even on a Macintosh Plus.
$139.95 retail
McQ Productions; PO Box 1676; San Mateo, CA 94401; 415-348-1344, 800-659-4755 or 415-342-0199 (fax)

MacAnimator 2.1
Video animation controller
Macintosh II or larger; 1 MB of RAM; System 6.0.5 or later. For graphics output, MacAnimator requires 5 MB of RAM; 32-bit QuickDraw; video output card.

MacAnimator is a software-based video animation controller for recording QuickTime movies, PICS animations and PICT file sequences to video tape. It can also be used to perform frame-by-frame animation from other sources, such as a video camera mounted on an animation stand. MacAnimator works with any NTSC or PAL video output card for the Macintosh. It controls most D2, 1-inch, Betacam, MII, broadcast 3/4-inch or professional SVHS editing video recorders with an RS-422 serial remote control port and an internal time code reader. MacAnimator is easy to use: Users simply open a QuickTime movie, PICS file or the first in a series of numbered PICT files, enter a starting time code number and the number of frames to be recorded for each image and click the Start button. MacAnimator takes over, laying the animation across to video tape with no further effort on a user's part. MacAnimator comes with a cable to connect the Macintosh's modem port to the 9-pin remote port on a video recorder. If a VCR uses a parallel type remote port, as found on many "industrial" VCRs, MacAnimator can use both the CVNET control network from CV Technologies and the VLAN network from Videomedia. Both support a wide range of parallel-control VCRs.
$595 retail
McQ Productions; PO Box 1676; San Mateo, CA 94401; 415-348-1344, 800-659-4755 or 415-342-0199 (fax)

MacAnimator Plus
Video animation controller
Macintosh II or larger; 1 MB of RAM (5 MB of RAM and video output card for graphics output and rotoscoping); System 6.0.5 or later.

MacAnimator Plus is a software-based video animation controller for recording animation to video and performing frame-accurate capture of video to the Macintosh. It can record and create numbered PICT files, PICS files and QuickTime movies. It supports most RS-422-control editing video recorders, the Sony LVR-series laser videodisc recorders, the Sony EVO-9650 Hi8 recorder and the CVNET and VLAN networks. It can perform alpha channel overlay using background PICT images, capture video frames to full-

screen, full frame rate QuickTime movies and perform interactive and alpha channel rotoscoping over video. It also features a built-in colorbar generator. MacAnimator Plus provides an easy-to-use set of controls, along with the ability to follow animation scripts created with its built-in script editor for more complex jobs. It comes with a cable to connect the Macintosh's modem port to the remote port on the video recorder.
$795 retail
McQ Productions; PO Box 1676; San Mateo, CA 94401; 415-348-1344, 800-659-4755 or 415-342-0199 (fax)

MagicScroll 2.0
Teleprompting program
Macintosh II, Centris 650, Quadra, PowerBook Duo or PowerBook 165/180; 4 MB of RAM; hard disk drive; System 7.0 or later.

MagicScroll is a teleprompting program for film, video and stage production. It outputs smooth scrolling, variable-speed videotext to any NTSC monitor through a required NuBus video card, Video Dock for Duos or external scan converter for PowerBook 165/180. Special prompter features include the ability to place up to 10 "bookmarks" or unlimited "paperclips" for quickly moving through large scripts. The "loops" feature returns the script to the beginning of a section for quick retakes. "Invert" allows for white letters against a black background on the NTSC monitor. An "output" switch sends "black" to the NTSC monitor for stage blackouts. For easy script editing and creation, MagicScroll includes Find/Find & Replace, Undo/Redo and "Save a copy in..." MagicScroll can add underlines, bold or italics to words or phrases to provide cues to the talent for emphasis. MagicScroll supports XTND translators, allowing you to open documents created in other popular word processors.
$3,300 retail; software only (an NTSC video card is required)
Magic Teleprompting, Inc.; 1390 Waller St.; San Francisco, CA 94117; 415-626-5283 or 415-626-2762 (fax)

Movie Magic Budgeting
Film and television budgeting program
Macintosh 512K or larger; two diskette drives or hard disk drive.

Movie Magic is a project-oriented estimating program that provides a budgeter with a method to create budgets. It is flexible enough to handle most any chart-of-accounts, as well as manage fringe benefits, foreign currencies and global changes. A library feature allows a user to build customized ratebooks. Entire accounts can be predesigned and stored in the library for instant recall. Movie Magic interfaces with several production accounting programs and can export entire budgets to Excel.
$595 retail
Screenplay Systems, Inc.; 150 E. Olive Ave., Ste. 203; Burbank, CA 91502; 818-843-6557 or 818-843-8364 (fax)

Movie Magic Scheduling/Breakdown
Movie scheduling and breakdown program
Macintosh Plus or larger; 1 MB of RAM; two disk drives or hard disk drive.

The Movie Magic Scheduling/Breakdown program allows users to display all of their information for a single breakdown sheet on screen simultaneously. Standard breakdown categories contained in the program include: Animal Handler, Cast, Costume, Extra Labor, Extras, Greenery, Livestock, Locations, Makeup, Mechanical FX, Miscellaneous, Music, Notes, Optical FX, Props, Security, Sequences, Set Dressing, Sets, Sound, Special Equipment, Special FX, Stunts and Vehicles. The program also features vertical or horizontal stripboard modes, color selection of on-screen stripboards, an optional bar code that can be printed at the bottom of each strip, sorting and printing of scheduling functions, viewable on screen or printed reports, an Auto-Save function, crash protection and more.
$695 retail
Screenplay Systems, Inc.; 150 E. Olive Ave., Ste. 203; Burbank, CA 91502; 818-843-6557 or 818-843-8364 (fax)

OZ Macintosh
Desktop video editing software
Macintosh II or larger.

OZ is a new generation in desktop video editing software for the Macintosh and Microsoft Windows. OZ makes professional-level video editing on the desktop accessible and affordable. OZ uses the industry standard V-LAN control network for frame accurate control of videotape/disc devices for cuts-only and A/B Roll editing and single frame animation. OZ incorporates Videomedia's "Park and Perform" philosophy of editing that allows users to edit by pictures and sound while the software performs the calculations. OZ sports a user-friendly screen interface designed by video editors for long periods of production. A feature-packed toolbox provides instant access to functions to speed editing. An on-screen comment window allows users to enter comments to describe each edit and later search by any word or phrase in the comment to access the edit. Video shuttle and jog control is provided via the mouse. Videomedia also offers the optional POD mini keyboard that enhances OZ editing by providing a traditional jog/shuttle knob, dedicated editing hot keys and a V-LAN transmitter. Optional video-in-a-window optimizes the application so all editing and video functions are performed on one screen. OZ supports a GPI trigger and provides serial switcher control of devices, such as the Newtek Video Toaster. The OZ/V-LAN team provides animation control plus video editing in one solution.
$1,295 retail; Version 2.10 (A/B Roll) software only
Videomedia, Inc.; 175 Lewis Rd., Unit 23; San Jose, CA 95111; 408-227-9977 or 408-227-6707 (fax)

PowerProduction Forms
Form templates
Macintosh Plus or larger; Microsoft Excel 3.0 or later; System 6.0 or later.

PowerProduction Forms are templates of commonly used forms in film and television production. Built as stationery in Microsoft Excel, all of the forms are easy to fill out and save for each production. Included are Call Sheet, Purchase Order Log, Petty Cash Advance, Per Diems, PC Summary, Travel Itinerary, Check Log, Booking Sheet, Flight Schedule, Overages and Payroll Recap.
$49 retail
PowerProduction Software; 2512 Curtis Ave., #1; Redondo Beach, CA 90278; 310-370-4793 or 310-370-2413 (fax)

RADIO (Random Access Digital Input/Output)
Offline, non-linear editing
Macintosh Classic or larger.

RADIO (Random Access Digital Input/Output) is an editing engine that brings random access, non-linear editing power to the Sundance System. Users can digitize more than an hour of video onto the internal hard drives, with two-channel CD-quality audio. The RADIO can be used in many ways: offline editing; final output with transitions; animation recorder; and "B-Roll" video/audio source. It takes advantage of Sundance's integrated logging/editing database management.
$15,950 retail; bundled with Q-CUT Video Editing Software
Sundance Technology Group; 6309 N. O'Connor Rd., Ste. 111; LB 128; Irving, TX 75039; 214-869-1002 or 214-869-1026 (fax)

■ **Radius StudioArray**
RAID storage subsystem
Macintosh Quadra 840AV, Quadra PDS or Power Macintosh 8100; QuickTime.

Radius StudioArray is a high-performance RAID storage subsystem designed specifically for Radius' QuickTime-based digital video editing and production. Optimized for use with VideoVision Studio, the StudioArray delivers unsurpassed QuickTime recording and playback capabilities. StudioArray makes the full power and flexibility of non-linear video editing on open platforms easily available to the professional user. StudioArray is designed for existing VideoVision Studio users and offers 4.0 GB of storage per module — accommodating up to 30 minutes of high-quality digital video information. The VideoVision Studio Pro Pak includes VideoVision Studio and Adobe Premiere and VideoFusion software applications. StudioArray employs a fast and wide SCSI-2 interface that markedly improves data throughput in the Macintosh environment.
$6,999 retail
Radius Inc.; 1710 Fortune Dr.; San Jose, CA 95131; 408-434-1010, 800-227-2795 or 408-434-6437 (fax)

■ **S/Link**
Provides batch transfer and on-the-fly sample rate conversion of digital audio sound files
Macintosh with 68020 processor or larger; 2 MB of RAM; System 7.0 or later.

S/Link is a utility for multimedia producers that provides fast batch transfer and on-the-fly sample rate conversion of digital audio sound files, as well as translation of EDL formats. S/Link supports the most widely used Macintosh audio standards — AIFF/AIFC, Open Media Framework (OMF) Interchange, PostPro, QuickTime, Sound Designer I and II and Synclavier. S/Link sports a simple, intuitive Finder-like interface. To copy files between devices, users simply drag and drop on the desktop. Typical Macintosh conventions like shift-clicking and region dragging are supported, allowing users to batch convert multiple files in a single pass, including such operations as: loading sounds from standard CD-ROM libraries directly into digital audio workstations; batch transfer and conversion of completed mixes into QuickTime files for multimedia authoring; batch conversion of sound files between different media; batch sample rate conversion (48 KHz, 44.1 KHz, 22.05 KHz and 11.025 KHz supported) and sample width conversion (from 16 bits to 8 bits and back); and exporting of sequences in CMX format to take advantage of third-party cue sheet software.
$199 retail
The Synclavier Co.; Rivermill Complex; Lebanon, NH 03766; 603-448-8887 or 603-448-6350 (fax)

Scriptor 4.0
Motion picture screenplay formatting program
Macintosh 512K or larger; two diskette drives or hard disk drive.

Scriptor is a text formatting program that takes a Microsoft Word or WordPerfect document and formats it according to the standard motion picture format. Features of the program include intelligent page breaking, automatic breaking of dialog including (more) and (Cont'd), scene and page numbering, remargination, top and bottom Continueds, A & B pages and scenes and more.
$295 retail
Screenplay Systems, Inc.; 150 E. Olive Ave., Ste. 203; Burbank, CA 91502; 818-843-6557 or 818-843-8364 (fax)

ScriptSupervisor Pro 2.1
Notebook, stopwatch and script notes report generator
Macintosh Plus or larger; HyperCard 1.2 or later; System 6.0 or later.

ScriptSupervisor Pro is designed for taking notes on the set of film and television productions. It is a notebook, stopwatch and script notes report generator all in one. Users click on the stopwatch, and ScriptSupervisor Pro enters the take number and the free-run time code. Take numbers are sequenced automatically. It can reset for false starts and handles takes within takes. Users click to stop the stopwatch, and the shot's running time is automatically calculated and entered into a user's log while the cursor waits in the comment field. Users can find any previous information instantly. Online help screens are provided. ScriptSupervisor Pro is compatible with portable printers for on-set finishing. It also prints production information cover sheets.
$499 retail
PowerProduction Software; 2512 Curtis Ave., #1; Redondo Beach, CA 90278; 310-370-4793 or 310-370-2413 (fax)

Scriptwriting Tools
Designed for writing screenplays and video scripts
Macintosh Plus or larger; Microsoft Word 4.0 or 5.0.

Scriptwriting Tools is a Microsoft Word enhancement package designed for writing screenplays and video scripts. It is especially beneficial to writers and producers working in the corporate/informational video industry. It works with Word 4.0, 5.0 and 5.1, and is System 7 compatible.
$79 retail
Morley & Associates; 120 E. 94 1/2 St.; Bloomington, MN 55420; 612-884-3991 or 612-888-2810 (fax)

ShowScape
Creates presentable, functional and professional scripts and storyboards
Macintosh Plus or larger; 1 MB of RAM (4 MB with System 7); hard disk drive; System 6.0 or later.

ShowScape software simplifies the composition of pre-production documents for film, video or any type of audio-visual production. Features include: automatic on-screen formatting to any industry format (broadcast TV, storyboard, screenplay); flexible formatting for existing documents (users can select any format at the start of any edit or print session — ShowScape automatically reformats the entire document); shot-unit document construction; keystroke shot-unit editing, including delete, cut and paste, copy and paste and insert new shots within the document; automated incorporation of graphics into shots on storyboard format; and multiple, interchangeable link files (video columns in dual-column formats, description/action files in screenplay format). Users select one or more to be collated with the script, shot-by-shot, for each edit or print session. Print options include with or without graphics, whole document or shooting script by shot numbers.
$429 retail
Lake Compuframes, Inc.; PO Box 890; Briarcliff, NY 10510; 914-941-1998 or 914-941-2043 (fax)

Sonic Comprehensive "Sound For Picture" System
SFP tools for dialog editing, effects lay-up and multitrack editing/mixing
Macintosh II or Quadra; 8 MB of RAM.

The Sonic Comprehensive "Sound for Picture" System provides a flexible assortment of Sound for Picture (SFP) tools. It is ideal for dialog editing, effects lay-up and multitrack editing and mixing. The system is expandable in groups of four tracks, which makes it easy and affordable to build a multitrack system. Combined with tools for EDL Autoconforming, Time Twist and Machine Control, the SFP system delivers the speed to help engineers meet the tough schedule of video sweetening and film post production.
$28,195 retail
Sonic Solutions; 1891 E. Francisco Blvd.; San Rafael, CA 94901; 415-485-4800 or 415-485-4877 (fax)

StoryBoard Quick 2.0
Visualization sketch pad for media production
Macintosh Plus or larger; hard disk drive; 1 MB of hard disk space; System 6.0.5 or later.

StoryBoard Quick is designed for directors, producers and creatives who want to visually communicate their shot ideas. Users just point and click and, faster than they can draw, they've created boards. With drawings at users' fingertips, characters and props can be instantly placed in the frame. Users can zoom, turn and crop characters in every frame, as well as add captions, script or camera notes. StoryBoard Quick also comes with a variety of backgrounds to set the mood for each shot. StoryBoard Quick allows users to create boards for television, feature film or wide-screen formats and prints professional graphics in a variety of frames per page. Pictures can be pasted from nearly all drawing, scanning or video capture applications.
$199 retail
PowerProduction Software; 2512 Curtis Ave., #1; Redondo Beach, CA 90278; 310-370-4793 or 310-370-2413 (fax)

StoryBoard Quick Libraries
Character libraries
Macintosh Plus or larger; StoryBoard Quick; System 6.0.5 or later.

StoryBoard Quick Character Libraries are additional groups of positioned and rotatable characters with more detail and facial expressions. The add-on libraries include the Drama Department, the Comedy Club and the Action Adventure Library.
$49 retail
PowerProduction Software; 2512 Curtis Ave., #1; Redondo Beach, CA 90278; 310-370-4793 or 310-370-2413 (fax)

Storyland
Comprehensive screenplay coverage tracking database
Macintosh SE/30 or larger; 8 MB of RAM recommended; FoxPro; PostScript printer recommended.

Storyland stores all profile information for each screenplay while allowing full coverage of the screenplay to be stored in the database for easy access and retrieval — a tremendous advantage over typical script logs stored in word processing documents. The database finds screenplays by: title; a/k/a; genre; writer; keyword; script recommendation; and writer recommendation. It defines proprietary genre list, format list and recommendation list. It has a full-featured search and report generator. This version is single-user. Customization is available.
Call for pricing
Panolog Software; Attn: Dan Nash; 4450 Lakeside Dr.; Burbank, CA 91505; 818-559-4277 ext. 122 or 818-559-4283 (fax)

Studio Controller
Macintosh connectivity for television post production
Macintosh Plus or larger; TC400D.

Studio Controller is a Macintosh application that provides a graphic interface to the functions of the Ensemble Designs' TC400D Four Channel TBC/D2 Controller. Control over video and chroma levels, setup, hue and system timing is directly accessible from a familiar user interface. Studio Controller brings any TC400D on an AppleTalk LAN as close as a user's Macintosh. Features include: complete control over TC400D; graphic representation of control settings; works simultaneously with manual operation; offline storage of TC400D registers to disk; numeric entry for precise adjustment; and is MultiFinder compatible.
$125 retail
Ensemble Designs; PO Box 993; Grass Valley, CA 95945; 916-478-1830 or 916-478-1832 (fax)

Sundance System Q-BASE Scene Logging Database
Video logging application
Macintosh Plus or larger; 2 MB of RAM; 20 MB hard disk drive.

The Q-BASE Scene Logging Database is a flat-file database integrated with VCR control. It grabs SMPTE time code marks for In and Out with Comment entry up to 32K per Event. Keyword search and group capability is provided using Boolean criteria (and, or, not). Event List allows random ordering of selected events with export to Q-CUT EDL for auto-assembly. Text files can be imported/exported to and from popular word processing and database programs.
$675 retail
Sundance Technology Group; 6309 N. O'Connor Rd., Ste. 111; LB 128; Irving, TX 75039; 214-869-1002 or 214-869-1026 (fax)

Sundance System Q-CUT Video Editing
Linear and non-linear video editing system
Macintosh Plus or larger; 2 MB of RAM; 20 MB hard disk drive.

The hardware/software system controls up to 15 video sources using RS-422/232 protocol, as well as a video switcher with GVG 100 protocol or the Video Toaster. It is available as cuts-only (QCX) and A/B Roll (QCAB). The software includes Edit Decision List management, import/export of CMX lists, auto-assembly, trace, Dynamic Motion Control and an integrated logging database (Q-BASE) with key word search and auto-import. It features non-linear editing with proprietary hard disk technology, as well as interface with Pioneer VDR-V1000 for broadcast-quality non-linear output.
$1,992 retail; QCX Cuts-Only
$3,995 retail; QCAB A/B Roll
Sundance Technology Group; 6309 N. O'Connor Rd., Ste. 111; LB 128; Irving, TX 75039; 214-869-1002 or 214-869-1026 (fax)

TAO Editorizer 2.1
Video studio control system
Color Macintosh with 68030 processor or larger; 4 MB of RAM; 2 MB of free hard disk space; serial port.

The TAO Editizer continues to raise the standard in video standard control with features found only in far more expensive systems, as well as a host of features not found elsewhere. The easy-to-use, Windows-based interface comes standard with a full range of professional controls, including: A/B Roll support for three VTRs; three SMPTE time code readers and one SMPTE time code generator; DPS TBC/Vector control; seven GPI triggers; and integrated tape logging. It supports RS-422, RS-232, Control-L and Panasonic AG-1970 VTRs. Switcher control includes the Panasonic WJMX30 and 50 and NewTek's Video Toaster 2.0, 3.0 and 4000. Optional ShuttleKnob and Audio Mixer are available.
$1,495 retail; Cuts-Only version
$2,495 retail; A/B Roll version
TAO, Inc.; PO Box 1254; Rolla, MO 65401; 314-364-4925, 800-264-1121 or 314-364-5631 (fax)

TAO StudioNet
Multidevice control for video post production
Color Macintosh with 68030 processor or larger; 4 MB of RAM; 2 MB of free hard disk space; serial port.

TAO's StudioNet brings multidevice control to video post production studios with the proven capabilities of TAO's editing control software. Individual VTR control modules allow users to expand StudioNet (up to 127 devices active simultaneously) utilizing RS-422 and RS-232 interfaces. Each Serial Module includes a SMPTE time code reader and generator, a G.P.I. trigger and can be used either as a stand-alone animation controller or as a serial device controller within the StudioNet system. Several levels of GUI-based edit control software are available with the StudioNet series: SN/Cuts, SN/Multisource, SN/Animate and SN/Log. StudioNet Pro/ABC is a rack-mountable A/B/C Roll package including hardware and software.
$3,495 retail; StudioNet Pro/AB Package
$3,995 retail; StudioNet Pro/ABC Package
$795 retail; additional device control
TAO, Inc.; PO Box 1254; Rolla, MO 65401; 314-364-4925, 800-264-1121 or 314-364-5631 (fax)

V-Station 3300
A/B Roll videotape edit control systems
Macintosh Plus or larger.

The V-Station 3300 is a computer-based A/B Roll edit control systems specifically designed for use with industrial and prosumer-grade VCRs and camcorders. The three VTR control systems for NTSC or PAL/SECAM applications support various combinations of VTRs fitted with a Panasonic 5-pin, a Sony Control-L/LANC terminal or Sony VISCA, RS-232C or RS-422A VTR driver protocols — irrespective of tape format. V-Station 3300 systems may be used with Macintosh or IBM-compatible computers. A/B Roll software diskettes for both of these computer platforms are included with the controller. Housed in an attractive compact enclosure displaying constant system status information, V-Station 3300 series VTR controllers connect to the computer via an RS-232C interface. Three independent programmable GPI triggers are fitted to enable similarly-equipped switchers and SEGs to be activated by the controller. Thanks to Future Video's exclusive multitasking design, V-Station 3300 edit controllers are able communicate with all three VTRs, simultaneously, dramatically reducing the time required to perform an A/B Roll edit. By simply not connecting the "B Source" VTR, V-Station 3300 may also be used for straight "cuts-only" editing. The V-Station 3300 systems automatically read Sony's Hi8 RC Time Code (RCTC). Optional SMPTE/EBU (LTC) time code reading from all three VTRs (yielding accuracy typically within one frame) is also available.
$995 retail
FutureVideo; 28 Argonaut, Ste. 140; Aliso Viejo, CA 92656; 714-770-4416 or 714-770-4667 (fax)

■ **Video CD Toolkit**
Turns MPEG-encoded audio and video into Video CD disc images
Macintosh II or larger; 8 MB of RAM; System 7.0 or later; 660 MB hard disk drive; CD-ROM drive.

Video CD Toolkit is a software package that will turn MPEG-encoded audio and video into Video CD disc images. Video CD Toolkit makes simple work creating Video CDs, including White Book-compliant and Karaoke discs. Users can create impressive digital video titles like movies, sales and promotional pieces and music videos. Everything that users need to create their disc image is contained in one package. Users specify track order, text on the screen and include information like publisher, preparer, country and text codes — Video CD Toolkit makes it easy.
$6,000 retail
OptImage Interactive Services Co.; 1501 50th St., Ste. 100; West Des Moines, IA 50266; 515-225-7000, 800-234-5484 or 515-225-0252 (fax)

■ **Video Machine Digital Player/Recorder**
Two-channel digital non-linear editor
Macintosh Quadra or larger; 20 MB of RAM; 16-inch monitor.

The Digital Player/Recorder (DPR) is a two-channel digital non-linear editor available as a single board upgrade for Video Machine and Video Machine Lite. The DPR is a complete online and offline editing solution that integrates analog (linear) and digital (non-linear) recording with adjustable quality ranging from proofing to Betacam/MII quality. The DPR utilizes powerful Video Machine features, including: a user-friendly timeline interface, frame accurate editing, control of more than 260 consumer to professional VTRs and an open architecture, which means that graphics, titles and Photo CD images can be created in any application and output to the Video Machine DPR. In addition, the DPR offers: real-time processing of 400+ preprogrammed/customizable digital effects and alpha wipes (alpha wipes available in Video Machine only); two channels (A/B roll digital video at 60 fields/second [single channel digital video configuration available for animation]); adjustable video compression rates of 3:1 (Betacam/MII) to 100:1 (offline proofing); digital, audio recording with 8-track live stereo mixing from hard disk in .WAV or CD format; and two built-in SCSI controllers (SCSI II or Wide SCSI).
$5,995 retail; Digital Player/Recorder (two digital channels)
$4,750 retail; Digital Player/Recorder (single digital channel)
$11,495 retail; Non-linear Studio
$14,295 retail; Professional Non-linear Studio
$2,500 retail; Digital Player/Recorder Upgrade (single to two digital channels)
Fast Electronic U.S., Inc.; One Twin Dolphin Dr.; Redwood City, CA 94065; 415-802-0772 or 415-802-0746 (fax)

Video Machine Lite
Online edit controller
Macintosh Quadra or larger; 20 MB of RAM; 16-inch monitor.

Video Machine Lite combines all the classic functions of a video studio on a single board, incorporating dozens of high-powered features. Video Machine Lite is an online edit controller with A/B and A/X roll capabilities and audio video split editing. Hundreds of VCRs can be connected via LanC (Sony Control-L), Edit Control (Panasonic 5-pin) or the optional RS-232/RS-422 interfaces. Built-in time code support includes VITC, RCTC, Rapid and CTL. Longitudinal Time Code (LTC) is supported through the optional Studio Control Box. Video Machine Lite comes with dual channel frame synchronizers, dual channel proc amp controls, four stereo audio channels, 200+ preprogrammed digital video effects (fully customizable) and an easy-to-use graphical timeline interface for editing. Video Machine Lite's open architecture means that graphics, titles and images can be created in any application and output to Video Machine Lite for spectacular effects. Video quality is processed internally at 4:2:2 and output is composite or S-Video. Video Machine Lite is modular in design and can easily be upgraded with options such as the Component (YUV) Interface, Studio Control Box, the Jog Shuttle option and the Digital Player/Recorder.
$2,500 retail
$1,995 retail; software and hardware upgrade to full Video Machine
Fast Electronic U.S., Inc.; One Twin Dolphin Dr.; Redwood City, CA 94065; 415-802-0772 or 415-802-0746 (fax)

Video Publisher
Video editing program
Macintosh Plus or larger; HyperCard 1.2.1 or later.

Video Publisher is an A/B Roll Video Editing program for Macintosh and IBM computers. The Video Publisher controls the ARTI network, providing access to a wide range of equipment, and includes professional features, such as edit decision list (EDL) management, full machine control, auto-assemble, switcher control, split ends, general purpose interface (GPI) triggers and mouse, keyboard or Control Station control. The Video Publisher is ideal for flexible online or offline videotape editing.
$695 retail
Advanced Remote Technologies, Inc. (ARTI); 307 Orchard City Dr., Ste. 204; Campbell, CA 95008; 408-374-9044 or 408-374-3623 (fax)

VideoCube
Complete system for video and CD-quality audio
Power Macintosh 7100.

The VideoCube is a complete system for 60 fps video and CD-quality audio with true realtime effects. It features a media processor (with storage for one hour of online-quality video and two hours of CD-quality audio); Power Macintosh 7100 (or equivalent) with 12 MB of RAM, 250 MB hard disk drive and built-in CD-ROM drive (Photo CD compatible); editing control panel; extended Macintosh keyboard with mouse; 14-inch Macintosh color monitor; 14-inch NTSC color monitor; two speakers; all necessary power and interconnect cables; backup copies of all VideoCube software; and complete documentation (manuals, instructional videotape). Up to five additional ImMIX Storage Modules can be added to any VideoCube system. Each Module stores an additional one hour of online-quality video and two hours of CD-quality audio.
$42,500 retail
ImMIX; PO Box 2980; Grass Valley, CA 95945; 916-272-9800 or 916-272-9801 (fax)

VideoCube Plus
Complete system for video and CD-quality audio
Power Macintosh 7100.

The VideoCube Plus is a complete system for 60 fps video and CD-quality audio. It features a media processor (with storage for one hour of online-quality video and two hours of CD-quality audio); Power Macintosh 7100 (or equivalent) with 32 MB of RAM, 250 MB hard disk drive and built-in CD-ROM drive (Photo CD compatible); editing control panel; extended Macintosh keyboard with mouse; 20-inch Macintosh color monitor and 24-bit graphics accelerator board; 14-inch Macintosh color monitor; 20-inch NTSC color monitor; two high-fidelity speakers; all necessary power and interconnect cables; backup copies of all VideoCube software; and complete documentation (manuals, instructional videotape). Up to five additional ImMIX Storage Modules can be added to any VideoCube Plus system. Each Module stores an additional one hour of online-quality video and two hours of CD-quality audio.
$49,500 retail
ImMIX; PO Box 2980; Grass Valley, CA 95945; 916-272-9800 or 916-272-9801 (fax)

Videodisc In-House Premastering System
Enables random access video editing and complete videodisc production in-house
Macintosh II or larger.

Videodisc Premastering Systems from IMS incorporate tabletop Panasonic Videodisc Recorders to enable random access video editing and complete videodisc production in-house, on write-once or erasable disc media. The producer can work with disc-based still or motion video from the very start of the production process. IMS provides a wide variety of editing hardware and software, input/output equipment and control devices to work with any computer platform. For users whose intention is to mass replicate and distribute Laser Vision format commercial discs, IMS will coordinate with the services of 3M Prerecorded Optical Media so that the Panasonic Discs can be used directly as the source for the mastering process.
Under $12,000 starting price retail; WORM disc recorders
Under $23,000 starting price retail; erasable disc systems
Image Management Systems, Inc.; 239 W. 15th St.; New York, NY 10011; 212-741-8765 or 212-243-2344 (fax)

VideoEdge
Video editing system
Macintosh with 68030 processor or larger; 5 MB of RAM; 40 MB hard disk drive with 5 MB of free space; 256 color display.

Users can now create professional-looking videos as easily as clicking on the Macintosh. VideoEdge is designed for easy use with a minimum of learning. Users connect a camcorder and VCR — then choose and log scenes in software, add titles and animations, even include QuickTime movies (requires a video digitizer, such as the VideoSpigot) — the Macintosh automatically assembles a complete video production on a standard tape in a recorder — or on disk as a QuickTime movie. Assembling and editing video footage is as easy as clicking an on-screen button. Video scene selections are kept in a database capable of storing up to 650 scenes per tape. The Hardware Control Unit provides built-in camcorder and VCR control for up to six video sources. It controls popular 8mm and Hi8 camcorders: Sony, Canon, Ricoh, Yashica, Kyocera and Nikon. VideoEdge has built-in Sony LANC — Control L and Control S, also trainable infra-red. It allows users to import and export edit lists in CMX format.
$695 retail
Silicon Valley Bus Co.; 475 Brown Rd.; San Juan Bautista, CA 95045; 408-623-2300 or 408-623-4440 (fax)

VideoToolkit 2.0
Videotape cataloging, editing and QuickTime movie production package
Macintosh Plus or larger; 2 MB of RAM; QuickTime digitizer optional.

VideoToolkit is a complete videotape cataloging, editing and QuickTime movie production package. Using patented technology, it controls consumer, "prosumer" and professional camcorders and VCRs made by Sony (including the ViSCA-compatible Vdeck and Vbox), Panasonic, JVC, Canon, Mitsubishi, Nikon, Ricoh, Yashica, Kyocera and NEC (PC-VCR). VideoToolkit includes a robust videotape logging and editing application, patented camcorder/VCR control cables, a tiny infrared remote module and a step-by-step User's Guide. By adding any QuickTime-compatible digitizer, QuickTime movies can be prepared from any scenes automatically and at up to 30 frames per second using CueTrack's exclusive "step-and-grab" routine. Video snapshots, or Snaps, of a scene's in- and out-points can be stored as part of a tape's log. In addition, an on-screen video window can be used to view the source material while logging. For video professionals, VideoToolkit is a convenient videotape logger, assembler and edit list management tool. It produces an exportable CMX or Digital F/X-compatible EDL and directly controls many RS-422 and RS-232 VTRs. For educators, VideoToolkit paves the way to more effective video and computer-based classroom presentations. For computer and video enthusiasts, VideoToolkit is an affordable and easy-to-use package for both analog (tape to tape) and digital (QuickTime) movie making. VideoToolkit works with most camcorders and VCRs that use the following remote control methods: Sony Control-L/S/P; Sony ViSCA; Panasonic Control-M (AG-1950/60/70); RS-422 (AG-7650/7750); RS-232 (AG-5700); and infrared remote.
$279 retail
Abbate Video Inc.; 14 Ross Ave., 3rd Fl.; Millis, MA 02054; 508-376-3712 or 508-376-3714 (fax)

■ **VideoVision Telecast**
Production-level digital video solution
Macintosh Plus or larger.

VideoVision Telecast is a powerful, production-level digital video solution for Macintosh that features broadcast-quality output, 16-bit audio and Betacam input and output in a rack-mountable system that meets both RS170-A and CCIR 624-4 specifications for broadcast video. VideoVision Telecast gives video professionals total control with the power, flexibility and performance of QuickTime-based video editing. VideoVision Telecast features two NuBus connector cards and a 19-inch rack-mountable control box that delivers 16-bit stereo audio, 30-frame, 60-field full-motion video capture and playback, full genlock capability, SMPTE time code for both audio and video and professional-level audio and video input/output connections. It provides NTSC, PAL and SECAM support.
$14,000 approximate retail
Radius Inc.; 1710 Fortune Dr.; San Jose, CA 95131; 408-434-1010, 800-227-2795 or 408-434-6437 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

Vertical Markets/Financial Planning & Analysis

ATX Tax Programs
IRS forms
Macintosh Plus or larger; Excel 4.0 or later; System 6.0 or later.

With ATX Smart Forms, Macintosh tax practitioners will never prepare a tax return by hand again. Smart Forms' foremost advantage is speed and ease of use. Tax professionals can begin to prepare tax returns in minutes because the online forms look just like the IRS forms and tax information is entered directly on the forms. Because ATX's power is derived from Excel, tax preparers can modify all calculations and link their own worksheets. ATX's Smart Forms are for professional tax preparers who want speed from their Macintosh and need professional laser-print quality for all their tax returns. ATX's tax programs include: 433, 706, 709, 720, 940, 941, 990, 990BL, 990C, 990PF, 990T, 1040, 1040NR, 1041, 1065, 1066, 1120, 1120H, 1120DISC, 1120DF, 1120F, 1120FSC, 1120L, 1120PC, 1120POL, 1120REIT, 1120RIC, 1120S, 2290, 5471, 5472, 5500 and 1041A/5227.
$49 retail; Basic
$99 retail; Professional
ATX Forms, Inc.; PO Box 630; Washburn, ME 04786; 800-944-8883 or 207-455-0963 (fax)

BizPlanBuilder 4.1b
Business, marketing and sales business plan template
Macintosh 512K or larger; Word Processor and Spreadsheet required; hard disk drive recommended.

BizPlanBuilder is a comprehensive business plan template with descriptive and analytic text files plus financial statements in spreadsheet format. Sales and marketing oriented, it covers a variety of topics from product/service descriptions to marketing strategy and analysis to financial ratios. Manual includes a reference guide with key business terms and concepts, suggestions for acquiring funding from banks, SBA, or investors, a sample finished business plan and a hard copy of the disk's contents. The software is designed to allow the business person to edit and customize a pre-written, pre-formatted business plan with fill-in-the-blank paragraphs, starter sentences and suggestions to help get past writer's block. The financial spreadsheets are already set up with formulas in place and include a balance sheet, income statement, cash flow statements, 12-month budget, break-even analysis, etc. Requires a word processor and a spreadsheet program.
$129 retail
JIAN; 1975 W. El Camino Real, Ste. 301; Mountain View, CA 94040; 415-254-5600 or 415-254-5640 (fax)

bond @nalyst
@function add-in library for Microsoft Excel
Macintosh II or larger; math coprocessor recommended.

bond @nalyst is an @function add-in library for Microsoft Excel. The library includes standard SIA and AIBD calculations, such as price, yield, accrued interest and duration, for 24 types of Treasury, international, agency, corporate and municipal bonds and notes. The library includes conversion factor calculations for CBOT, FINEX and foreign contracts as well as forward price calculations for deliverables. Conversion factors can be combined with forward prices to find cheapest-to-deliver and to compute delivery invoice price, gross basis and net basis. The library also includes repo rate and future value functions. All bond functions support odd first coupons, simple-interest assumption for last coupon period, mulitple calendars and after-tax consideration. For bills and CDs, the library includes strip and tail calculations, useful for identifying opportunities to enhance yield via the futures market. In addition, the library contains functions for date arithmetic, such as 30/360 day counts.
$495 retail
Tech Hackers, Inc.; 50 Broad St.; New York, NY 10004; 212-344-9500 or 212-344-9519 (fax)

Bottomline-V Business Valuation System
Produces results for the eight most common valuation methods
Macintosh Plus or larger; Microsoft Excel or equivalent spreadsheet; printer recommended.

The Bottomline-V Business Valuation System consists of four business valuation models that each produce results for up to 10 common valuation methods: multiple of earnings, multiple of gross revenues, capitalization of earnings, dividend paying capacity, excess earnings (Treasury method), discounted future earnings, restricted securities, discounted cash flow, internal rate of return and net asset value (book value). The History model allows input of up to six years of year-end income statement and balance sheet information, and it generates automatically the two standard cash flow statements, two ratio analysis statements with more than 60 key ratios (including the Robert Morris Associate ratios) and a complete business valuation analysis statement. Internal rate of return is also provided. The Range model does exactly what History does, but it then projects all seven statements five years into the future based on 10 six-year averages and nine constants from the data input of the income statement and balance sheet. The 5-year Model is used for those businesses that have only been in operation for a year or less. The year-end income statement and balance sheet information are entered in the first column and basic assumptions about future performance are entered to generate a five-year forecast of seven key financial statements, including the business valuation analysis statement. The Bottomline-V Business Valuation System includes a 200-page user manual and 12 CPE credits for CPAs (with NASBA approval) and other business professionals. A capitalization rate program is also included that uses long-term bond interest rates and the beta factor, which compares the firms performance to its industry.
$495 suggested retail (special $299); includes technical support
ILAR Systems, Inc.; 334 Baywood Dr.; Newport Beach, CA 92660; 714-759-8987, 714-640-2985, 800-777-4920, 714-720-1530 (fax) or 714-640-7233 (fax)

Bottomline-V Financial Decision Support System
Business financial planning, budgeting, modeling, analysis and valuation system
Macintosh Plus or larger; Microsoft Excel or equivalent spreadsheet; printer recommended.

Bottomline-V is ideal for analyzing profitability, cash flow, growth, capitalization and economic value added (EVA). It generates all of the financial reports necessary to manage a business. The user simply completes a 12-month budget/cash flow program using the forms and program provided. and then has the option of a one-year monthly model, two-year quarterly model or five-year annual model, each consisting of eight integrated financial statements. All equations, logic and formats are provided. There's a historical analysis model and one that forecasts seven key financial statements, five years based on historical income statement and balance sheet data. Bottomline-V includes a 200-page user manual, as well as 12 CPE credits for CPAs and others, with NASBA approval. Users follow input screens to prepare assumptions in the Income Statement, Balance Sheet and Statement of Changes in Financial Position. The Statement of Cash Flows under FASB95 (Financial Accounting Standards Board, Rule 95), two ratio analysis statements with more than 60 ratios (including the Robert Morris Associates ratios) and a complete business valuation analysis statement are generated. The 14 models in the package are as close to the real world as possible, and can be used for manufacturing, service, wholesale, retail, construction/contractors, not-for-profits, real estate, etc. The system also contains a 24-month model.
$299 retail; starter kit
$695 suggested retail (special: $499); includes technical support
$59 retail; demo/documentation
ILAR Systems, Inc.; 334 Baywood Dr.; Newport Beach, CA 92660; 714-759-8987, 714-640-2985, 800-777-4920, 714-720-1530 (fax) or 714-640-7233 (fax)

BPlan
Budgets, balance sheet, income statement, cash flows and ratios
Macintosh Plus or larger; 1 MB of RAM; Microsoft Excel 1.04 or later.

BPlan is a financial forecast generator ideal to use in loan application preparations, evaluating a business or for testing the financial impact of changes in business conditions. BPlan provides financial forecasts quickly (in less than one-half hour), complete with integrated statements of cash flows, income statements and balance sheets. By entering a user's expected inventory needs, accounts receivable collection expectations, accounts payable terms, interest rates and gross profit margins, a complete financial forecast is produced. This means that the What-If games involving such variables as gross margins, inventory turns and terms of purchase and sale can be played efficiently and repetitively until the plan is satisfactory.
$195 retail
PowerUser Development Co.; One SW Columbia St.; Portland, OR 97258; 503-243-1796 or 503-243-1742 (fax)

Broker's Bailiwick
Stock broker's program
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.

Following what began as a custom-commissioned development to satisfy the wish-list of a successful CFP and account executive with a major national brokerage firm, QuintesSoft has refined and released the commercial version of Broker's Bailiwick to provide money managers, brokers and serious private investors who maintain multiple accounts with diverse tools for efficient, accurate portfolio appraisal and professional client contact management. Features include: annualized rate of return adjusted for cash deposits and withdrawals (pro-rated daily to precisely compute annualized returns for any period); summaries of current holdings and unrealized profit for all or selected investments; seven sub-folders to view stock shares, bonds, mutual funds, options, direct investments, CDs and others; reports, personalized merge mailings to all or any number of pre-selected clients with labels; prospect management, archiving, funds coming due, multiple marking and sorting, quick sub-account creation; custom modification on request from QuintesSoft; and user-selected add-on extensions. Bundled system hardware is available.
$495 (plus $70 annual maintenance fee) retail
QuintesSoft; 1838 Aeneas Creek Rd.; Malo, WA 99150; 509-779-4001

Business Blueprint
Business plan creator
Macintosh Plus or larger; Microsoft Excel.

Business Blueprint is an easy-to-use business plan creator that allows businesses to succeed, whether a new venture or on-going concern. It provides a complete planning model, from management structure and marketing plans to financial requirements and analysis.
$79 retail
Spreadware; PO Box 4552; Palm Desert, CA 92261; 619-347-2365 or 619-347-6045 (fax)
FAX⊘NDEMAND 1-800-872-3293 **168**

Business Financial Analysis
Analyzes a company's financial condition
Macintosh Plus or larger; Microsoft Excel.

Business Financial Analysis can be used for analyzing a company's financial condition. This easy-to-use, flexible and powerful program will perform financial statement analysis, cash flow analysis, ratio analysis and more. Added to the program's power is the popular and powerful Z-Score model. Based on the Altman Z-Score, this model helps predict the likelihood of a business going bankrupt. This model implements the analysis to provide useful and practical information. With a quick menu selection, results can be displayed and interpreted graphically. Business Financial Analysis is easy to use. Users enter financial statement information for any number of years and watch the analysis be created in an easy-to-understand report format. Information can be easily obtained from financial statements to perform the valuable analyses. Cashflow modeling and analysis tools option integrated into new version.

$89 retail
Spreadware; PO Box 4552; Palm Desert, CA 92261; 619-347-2365 or 619-347-6045 (fax)

Business Plan Toolkit
Business plan preparation
Macintosh 512K or larger; Microsoft Excel, Multiplan or Works (Excel recommended).

Business Plan Toolkit is a set of spreadsheet worksheets, macros, graphs and a workbook designed to assist in the development of a business plan. It includes a practical and useful workbook with suggested outline, sample plan and chapter-by-chapter instructions for preparing a professional business plan. Software includes spreadsheet files for pro forma statements, financial analysis, sales forecasts and market forecasts. Spreadsheets can be customized or used as is. The program includes prompted topic-by-topic text preparation and a complete sample business plan in the manual and on the disk. The Business Plan Toolkit can be easily modified to suit any business. Even though the package will work with any spreadsheet that reads SYLK files, the company recommends Microsoft Excel because it includes macros and charts that will not work with the other spreadsheets.
$149.95 retail
Palo Alto Software; 144 E. 14th Ave.; Eugene, OR 97401; 503-683-6162, 800-229-7526 or 503-683-6250 (fax)

Capital Projects Management System
Multiyear budget planning
Macintosh SE/30 or larger.

The Capital Projects Management System (CPMS) is designed to facilitate the creation and management of real and proposed projects, budget items and work orders, as well as their perspective multiyear Capital and Operation/Maintenance (O&M) budgets within Engineering and Planning departments. The system was initially designed for use in the Electric and Gas industries, but is easily modifiable to support any industry using multiyear planning for projects. The system allows the Engineering and Planning departments to prioritize projects to their specific needs and to compare and toggle between their priorities. It also allows for multiple year analysis of both proposed and estimated corresponding budgets and for the "sliding" of budgets from one starting year to another, allowing for the inclusion or exclusion of various projects within yearly budgets. CPMS produces a seven-year plan budget report, as well as work order construction reports, and may be modified to produce plans of a longer or shorter duration.
$25,000 retail
Journey/North Sound Development; PO Box 1151; Mukilteo, WA 98275; 206-259-2659

CashflowPlus
Business or individual cash flow analysis
Macintosh Plus or larger; printer recommended.

CashflowPlus is a fully integrated 12-month cash flow system with a five-year financial simulation and forecasting model consisting of nine key financial statements. Users can analyze profitability, liquidity, growth and business value. CashflowPlus consists of one program that works with an Excel spreadsheet on a Macintosh. After users prepare their 12-month cash flow worksheet, the totals from this program integrate into the five-year financial statement model. Users follow input screens to prepare their assumptions in the Income Statement, Balance Sheet and Statement of Changes in Financial Position. The Statement of Cash Flows under FASB95 (Financial Accounting Standards Board, Rule 95) and two ratio analysis statements are generated. Federal and state taxes are also projected after the various deductions. Users can do what-if analysis and customize the system to meet their needs. CashflowPlus includes a 28-page user guide.
$99 retail; includes technical support
ILAR Systems, Inc.; 334 Baywood Dr.; Newport Beach, CA 92660; 714-759-8987, 714-640-2985, 800-777-4920, 714-720-1530 (fax) or 714-640-7233 (fax)

The Commercial Loan Analysis Model
Six-year historical analysis and five-year projections for major industries
Macintosh Plus or larger; Microsoft Excel or equivalent spreadsheet; printer recommended.

The Commercial Loan Analysis Model allows bankers, investment bankers, government organizations, loan brokers and others to quickly and easily obtain a complete financial analysis of any organization by simply entering up to six years of year-end Income Statement and Balance Sheet information. The model then automatically generates the Statement of Changes in Financial Position, Statement of Cash Flows under FASB95, ILAR's 25 Standard Ratio Analysis (including Altman Z Score), The Robert Morris Associates 40 key Ratio Analysis Statement and The Business Valuation Analysis (using eight common methods). Then, the model projects all seven statements five years into the future, using 10 six-year averages (if six years of historical data are used) and nine constants from the data input. A user now saves the results under a unique name and prints all 11 years (including the factor column with the 19 variables labeled) for analysis purposes. The first run of the model gives an extrapolative five-year forecast of the business. Thereafter, a user can create a new future for the enterprise by overriding any of the 10 six-year averages and nine constant variables and performing multiple what-if analyses. The system consists of eight models for each of the following industries: manufacturing, real estate, service, health care, construction/contractor, not-for-profit, farming and a universal model for wholesale, distribution, retail, etc. Each model can be readily customized for specific requirements and technical support is available. This system is ready to use and has a minimal learning curve (no formal training required) with toll-free 800 technical support included. Users simply follow the input screen to enter their historical data and assumptions; The Commercial Loan Analysis Model does the rest, supplying all of the logic, equations and formats.
$3,000 suggested retail (special: $1,295); includes full technical support
ILAR Systems, Inc.; 334 Baywood Dr.; Newport Beach, CA 92660; 714-759-8987, 714-640-2985, 800-777-4920, 714-720-1530 (fax) or 714-640-7233 (fax)

Complete Bond Analyzer
Precise yield calculations (pre- and after-tax), including YTM, YTC, accrued interest, bond equivalent yield, etc.; calculates duration and determines spot rate yield curve
Any Macintosh.

The Complete Bond Analyzer is a bond investment package that performs several functions. The program can find: purchase price given yield to maturity; yield to maturity given purchase price; yield-to-call; results for precise time periods; accrued interest at purchase or sale; duration and revised duration; theoretical spot rates; results for taxables or tax-exempts; and results for government, agencies, conventional or zero coupon bonds.
$89 retail
Larry Rosen Co.; 7008 Springdale Rd.; Louisville, KY 40241; 502-228-4343 or 502-228-4782 (fax)

■ **Corporate Credit Expert**
Addresses the needs of corporate credit department
Macintosh with 68030 processor or larger.

Corporate Credit Expert is a sophisticated client/server system that addresses the needs of medium to large-sized corporate credit departments. It allows users to analyze customer financials, set credit limits, generate approvals and produce a variety of detailed graphic management reports. Its single solution approach includes a centralized database of all credit-related information, powerful analytical tools, workflow automation, collections support and portfolio analysis.
$15,000 retail
SR Research, Inc.; 120 Royall St.; Canton, MA 02021; 617-828-3200, 800-276-2321 or 617-828-3792 (fax)

Depreciation Calculator
Calculates and prepares tax depreciation schedules
Macintosh with 2 MB of RAM; hard disk drive; Microsoft Excel 4.0 or later.

Depreciation Calculator is a template that works with Microsoft Excel 4.0 or later. It calculates and prepares federal and state tax depreciation schedules for fixed assets for regular tax, alternative minimum tax (AMT), corporate ACE, and for bood purchases. The following depreciation methods are supported: straight-line, declining balance, ACRS, MACRS (mid-month, half-year and mid-quarter conventions), section 179 first-year expensing and listed auto limitations. The template uses a custom menu bar to make entering data as easy as possible, and all available options are fully explained in the User's Manual. It is System 7 compatible. Call for more information or order by mail.
$100 retail
TaxMac Enterprises; 10743 Hungerford Pl.; Cerritos, CA 90703; 310-867-5955

Dow Jones Market Analyzer Plus
Technical analysis
Macintosh Plus or larger; SuperDrive or hard disk drive; modem.

Dow Jones Market Analyzer Plus accesses Dow Jones News/Retrieval to collect and update up to 15 years of price and volume data on stocks, bonds, mutual funds, Treasury issues and market indexes, up to one year of option prices and historical commodity prices back to 1970. The program uses the data to construct linear and semilog bar charts, candlestick charts, point and figure charts, comparison and relative strength charts. Analytic features include an extensive library of ready-to-use technical analysis formulas that can be charted as is or modified to suit individual preferences. Plus, users can build and enter their own formulas for one-time display, or save them for future use. A Test Strategy option historically tests a user's technical trading ideas for profitability. Other analytic tools include user-defined technical reports, moving averages, support/resistance lines and six built-in volume indicators. In addition, the program's four user indexes can be used to establish relationships among followed issues. For example, the incidence-percentage index can be used to measure the percentage of user-selected issues that are performing above their 200-day average.
$349 retail; Version 2
Dow Jones & Company, Inc.; PO Box 300; Princeton, NJ 08543; 800-815-5100 or 609-520-4660 (fax)

Dow Jones Market Manager Plus
Portfolio management
Macintosh Plus or larger; modem.

Dow Jones Market Manager Plus allows a user to account for security transactions while providing printed reports for review and tax records. It also gives a user the ability to preview the consequences of matching sell transactions against existing positions before actually executing them, helping a user determine the profitability of the potential transaction. The software maintains accounting information for up to 256 different portfolios and 1,800 holdings; automatically dials Dow Jones News/Retrieval at user-specified time for the latest security prices; prices automatically stocks, bonds, options, mutual funds and Treasury issues; accommodates buy, sell, short-sell and buy-to-cover transactions; contains a calendar of financial activity; values stocks for a date in the past trading year; generates a wide variety of reports to show the value and status of a portfolio; and graphically represents gain/loss, return on equity, yield and diversification.
$299 retail (Version 2.0)
Dow Jones & Company, Inc.; PO Box 300; Princeton, NJ 08543; 800-815-5100 or 609-520-4660 (fax)

Enhanced Chartist
Charting and technical analysis
Macintosh SE/30 or II family; 40 MB hard disk drive.

Enhanced Chartist includes all of the features of MacChartist, a real-time charting and technical analysis program. Enhanced Chartist can track and chart commodities, options, stocks and indices. More than 50 popular technical indicators are available. Options analysis and advanced trendline analysis are also standard features. Enhanced Chartist takes full advantage of multiple windows and multiple monitors. Each monitor can contain a unique display that may include charts, quotes, portfolio management and/or most MultiFinder applications. Enhanced Chartist displays 1,024 live quotes, 22 live windows and can store two years of daily history and nine years of weekly history. A user may also chart 168 items on an intraday and tick by tick basis.
$2,590 retail
Enhanced Chartist, Inc.; 619 N. 500 West; Provo, UT 84601; 801-375-6847 or 800-433-4276

■ **Finance Pro**
Delivers financial analysis training
Any Macintosh with 68030 processor or larger.
Finance Pro is an interactive electronic book that delivers financial analysis training to all levels of trainees and managers. The program progresses from finance fundamentals to more advanced and credit-specific topics. Finance Pro's custom analytical capabilities enable users to enter live or sample customer financial statements and calculate financial ratios for multiple periods, summarize ratios to compare to industry averages, create a detailed financial plan, perform what-if analysis and create pro-forma balance sheets and income statements.
$199 retail
SR Research, Inc.; 120 Royall St.; Canton, MA 02021; 617-828-3200, 800-276-2321 or 617-828-3792 (fax)

Financial Aid
Calculates financial statements, loans, investments, etc.
Macintosh Plus or larger; Microsoft Excel 2.2, 3.0 or 4.0.
Financial Aid can be used to find out how much a monthly payment would be for a new home or car, and provides the ability to produce multiple personal financial documents. Users just fill in the data requested and all calculations are automatic. Features include: Personal Financial Statement, Installment Loan Calculator, Investment Calculator, Installment Loan Qualifier, Lease Calculator, Revenue Statement Generator and Complete Amortization Printout Generator.
$49 retail
MacAcademy; 100 E. Granada Blvd.; Ormond Beach, FL 32176; 904-677-1918 or 904-677-6717 (fax)

Financial Decisions 3.0
Excel templates
Macintosh Plus or larger.
Financial Decisions is made up of eight primary modules containing examples of 115 problems with their solutions. These 115 templates are designed to simplify financial planning, whether users are a mortgage loan manager, a new car shopper, a heavy equipment buyer who has to decide whether to rent or purchase, a personnel manager who has to advise a temporarily reassigned manager on whether to buy or rent a home or a parent who has to begin saving for the children's education or for early retirement. Users know in advance whether they are better off taking the 1.9 percent financing on the new car or the $1,000 cash-back offered. Users know exactly how much their Certificate of Deposits will yield at maturity. For those who want complete mortgage amortization schedules, complex after-tax cash flow investment analysis or discounted cash flows, Financial Decisions provide the answers. Financial Decisions uses the formula, rather than macro, approach to problem solving. The advantage is that different what-ifs can be sequentially input to get instantaneous results or comparisons. Financial Decisions helps Excel owners get their full potential out of Excel. The program is indispensable for real estate professionals, investors and all those who want ease in determining the present and future value of money.
$65 per disk retail
GenMicronics; 5900 Shore Blvd., Ste. 401; St. Petersburg, FL 33707; 813-345-5020 or 603-664-9020

financial @nalyst
Add-in library of 45 @functions for Microsoft Excel
Macintosh II or larger; math coprocessor recommended.
financial @nalyst is an add-in library of 45 @functions for Microsoft Excel. The library includes functions for generalized cash flow analysis, such as net present value, internal rate of return and cash flow duration (or weighted average life). It includes an array of functions for analyzing amortized loans and annuities. In addition, it has functions for date and business day arithmetic. Cash flow analysis functions support unevenly spaced flows, multiple interest rates, multiple compounding schemes and concise specification of repeated flows. Amortization functions handle advance and balloon payments, odd first and last periods and simple interest accrual. The types of calculations possible with library @functions include: NPV for unevenly spaced cash flows; IRR assuming simple interest over fractional periods; periodic payment of an amortized loan with a balloon payment; date of the third Wednesday of a given month; and result of adding a number of business days to a date, assuming given holidays.
$195 retail
Tech Hackers, Inc.; 50 Broad St.; New York, NY 10004; 212-344-9500 or 212-344-9519 (fax)

FYControl
Financial analysis and review
Macintosh SE or larger; 4 MB of RAM.
Powerful, yet easy-to-use software for financial analysis and review, FYControl gives users the flexibility to analyze and report on a wide range of financial data, including budgets, actuals and forecasts. It enables users to detect emerging trends, examine variances and other critical financial indicators quickly and confidently, enhancing overall planning and decision making. FYControl allows users to: create customized reports, drill down for detail information, compare data with different levels of detail, make changes to plans or forecasts and view the impact of those changes. FYControl is fully integrated with FYPlan. Built-in security and database structure provide full data integrity. Custom reports and analyses are done online using the familiar Windows or Macintosh interfaces.
Call for pricing; depends on system configuration
Pillar Corp.; 950 Tower Ln., Ste. 400; Foster City, CA 94404; 415-349-6200, 800-475-6226 or 415-349-5515 (fax)

FYPlan
Business planning and budgeting software
Macintosh SE or larger; 4 MB of RAM.
FYPlan is an enterprise-wide planning and budgeting system for developing annual budgets and rolling forecasts. FYPlan is an integrated database — not a spreadsheet. Line managers use FYPlan for developing complex "bottoms up" budgets and rolling forecasts. Planning managers use FYPlan for managing the "tops down" elements of planning, such as what-if analysis and across-the-board adjustments to operating plans and budgets. Users can manipulate plan details any way they want and quickly see the results in profit and loss, balance sheet and cash flow statements. Users can easily develop customized reports by searching and sorting their planning data using FYPlan's unique report generator. FYPlan provides valuable benefits, including a multiuser architecture that allows planning managers to control who participates in the planning process and how they participate; rollups that work the first time provide a simple, yet powerful way to consolidate planning information — without the complexity of macros and linked files; manage the big picture and the detail through integrated financial statements that are automatically generated by FYPlan; generate reports and graphs in any way with accuracy; and transfer information to and from other business systems via FYPlan's import/export features. Pillar complements its products with an experienced client services organization, offering consulting, education and support services to ensure customers a smooth and successful implementation.
Call for pricing; depends on system configuration
Pillar Corp.; 950 Tower Ln., Ste. 400; Foster City, CA 94404; 415-349-6200, 800-475-6226 or 415-349-5515 (fax)

How To Write A Business Plan
Business plan preparation
Macintosh 512K or larger; word processing software.
How To Write A Business Plan provides a user with a complete narrative for a business plan and includes all of the necessary financial statements, such as income statements, balance sheet and cash flow. Every part of a business plan, such as the objectives, marketing plan, production plan, finance plan, key officers and personnel is provided for. Also included is a sample business plan, as well as a series of questions that can provide a "go" or "no go" response for a new business. Using a template system, a user simply chooses the narrative description provided and inserts his or her own company information and data. Using a word processing program, a user can print out the entire business plan. The package has a series of options so that any type of business plan can be constructed.
$125 retail
American Institute of Small Business; 7515 Wayzata Blvd., Ste. 201; Minneapolis, MN 55426; 612-545-7001 or 800-328-2906

HyperEntrepreneur 2.1
Education — small business
Macintosh Plus or larger; hard disk drive.
HyperEntrepreneur (H/E) is a user-driven tutorial that helps users focus on business needs and evaluate the viability of their business idea. H/E's interactive dialogue guides users through the program's modules where they test business ideas, evaluate their skills, choose a business name and plan strategies to deal with the potential risks of doing business. H/E is not a template program. H/E will train users in concepts, suggest ideas and help them focus on their business plan and policies — greatly increasing their chance for success. H/E easy access menu is designed to permit users to learn at their own pace and level of understanding. Users can review a topic at any time with the click of a button. Educators are using H/E in outcome-based and integrated learning programs. And, H/E helps them meet their State's Dept. of Education requirements. It is also available for PCs.
$149 retail
$445 retail; Lab Pack (five)
$685 retail; Lab Pack (10)
HyperTrain, Inc.; 14 Front St.; Keeseville, NY 12944; 518-647-5417 or 518-834-9055 (fax)

Integration Financial Systems, The Professional Plan V.4.0
Full financial planning system
Macintosh Plus or larger; 20 MB hard disk drive; System 7.0 or later.
The Professional Plan is a comprehensive financial planning package for professionals who want the benefit of state-of-the-art computing. The Professional Plan offers full financial analysis and generates up to 100 pages for the client and planner to evaluate. The professional planner can customize each plan for the individual client's needs. Multiple charts and graphs help in visualizing client's information. The Professional Plan features complete tax analysis with 10-year projections, alternative minimum tax calculations, 10-year averaging, five-year averaging and IRA pension rollover comparisons. Additional tools enable the professional to analyze risk, estate/inheritance tax, cash flow, life and disability insurance, plus retirement and education funding. In addition, complete financial statements and portfolio analysis are included. Unlimited opportunity is available for what-if scenarios to support the decision-making process. One-step data entry provides a completely integrated planning system. The program has multiuser support.
$395 retail; single-user license
$100 retail; each additional user
$195 retail; annual maintenance and support (includes annual upgrades)
$10 retail; demo disk with limited manual
O'Brien Financial Services Co.; PO Box 3352; Ann Arbor, MI 48104; 313-995-3125 or 313-996-8209 (fax)

■ **Investment Club**
Small investors helper
Macintosh Plus or larger; FileMaker Pro runtime.
Investment Club was developed and designed exclusively for the growing organizations of small investors contributing toward pooled purchases of stock. The program is based on the Valuation Unit System, similar to that used by mutual funds, in which each member contributes a minimum monthly amount. It includes two basic files: a Member Evaluation File that lists the monthly investment per member, total dollars invested per member and number of units owned; and a Stock Evaluation File displaying, in column form, each stock by number of shares, purchase date and price, total cost, total value and current profit of loss. The program also shows cash on hand and where placed, records unequal investments and admission of new members at any time. The program is easy to learn and easy to access, providing a fast, efficient and accurate record of any club's financial standing regardless of size.
$39 retail
Simplified; 642 E. Squirrel Tail Dr.; Tucson, AZ 85704; 602-797-2990 or 602-797-7865 (fax)

Investment IRR Analysis (After Taxes) For Stocks, Bonds And Real Estate
Quickly displays up to 40 years of detailed cash flows (pre- and after-taxes) and calculates IRR and Revised IRR (realized compound yield) for the investment
Any Macintosh; Microsoft Excel, Multiplan or ClarisWorks.

The Investment IRR Analysis (after tax) for Stocks, Bonds And Real Estate is an investment package that evaluates existing and proposed real estate, stock and bond investments by after-tax internal-rate-of-return analysis. The program computes and displays a complete year-by-year detailed pretax and after-tax cash flow analysis, as well as the internal rate of return for the existing or proposed investment. It also calculates the revised IRR (realized compound yield) and shows the results, with reinvestment of after-tax cash flow, at a user-specified earnings rate for reinvestment.
$89 retail
Larry Rosen Co.; 7008 Springdale Rd.; Louisville, KY 40241; 502-228-4343 or 502-228-4782 (fax)

LoanAmortizer
Calculates monthly payments and produces amortization schedules
Macintosh Plus or larger; Microsoft Excel 3.0 or 4.0; System 6.0.7 or later.

Users can enter Principal, Interest Rate and Length of Loan to calculate monthly payments and produce amortization schedules. Schedules show breakdown of Interest and Principal for each payment, each year, and cumulative totals of Interest and Principal for any and all years. Entering "overpayment" over-ride (payments made above regular payments) results in reduction in term in the amortization schedules.
$19 retail
4ms4Mac Co.; 1025 S. Main St.; Corona, CA 91719; 909-736-1169 or 909-737-4691 (fax)

MacChartist
Real-time charting and technical analysis
Macintosh Plus or larger; 20 MB hard disk drive.

MacChartist is a real-time market charting and trend analysis program. By supporting several data vendors, MacChartist can track and chart commodities, options and stocks. More than 30 of the popular technical indicators are available, including market profile, options analysis and advanced trendline analysis. Features include: daily and weekly charts on 256 contracts; one-year daily history; four-year weekly history; chart 80 intraday items; user-defined interval lengths; the ability to display up to seven windows; unlimited chart and quote window combinations; the ability to view tabular data and system values with status cursor; manual data entry; edit capability; zoom in/out functions; user-defined layouts; custom layouts saved for function key recall; and more.
$895 retail
Enhanced Chartist, Inc.; 619 N. 500 West; Provo, UT 84601; 801-375-6847 or 800-433-4276

MacInTax Tax Savings Guide
Offers tips for reducing tax liability
Macintosh Plus or larger; 2 MB of RAM; hard disk drive with 2 MB of free space; System 6.0.7 or later.

The MacInTax Tax Savings Guide is an interactive, easy-to-use tax strategies guide that offers more than 250 different tips and ideas that allow users to legally reduce their tax bill. Answering a few simple questions presents users with tips and strategies that are tailored to individual financial situations. In addition, numeric examples show how to implement these tax-saving ideas.
$19.95 retail
ChipSoft, Inc.; 6330 Nancy Ridge Dr., Ste. 103; San Diego, CA 92121; 602-295-3100 (personal tax preparers), 619-550-5050 (professional tax preparers) or 800-374-7057 (fax)

MacLoan II
Loan amortization software
Macintosh Plus or larger; 1 MB of RAM.

MacLoan II is a powerful, yet friendly, amortization program. The program calculates the monthly payment amount and prints an amortization schedule both on the screen and on the printer (both dot matrix and laser printers are supported). Interest for the odd number of days between the loan origination date and the first monthly payment is calculated on the basis of a 360-day year. MacLoan II is System 7 compatible.
$35 retail
TaxMac Enterprises; 10743 Hungerford Pl.; Cerritos, CA 90703; 310-867-5955

MacLoan Worksheet
Loan amortization software
Macintosh with 2 MB of RAM; hard disk drive; Microsoft Excel 4.0 or later.

MacLoan Worksheet is a powerful, yet easy-to-use loan amortization worksheet for use with Microsoft Excel. The user is prompted to enter the principal, interest rate, term, loan origination date and the first payment date. The program computes the monthly payment amount and creates a loan amortization schedule that can be customized to fit a user's needs. Interest for the odd number of days between the loan origination date and the first monthly payment is calculated on the basis of a 360-day year. The schedules can be saved to disk and customized. Both laser printers and dot matrix printers are supported. MacLoan Worksheet is System 7 compatible.
$35 retail
TaxMac Enterprises; 10743 Hungerford Pl.; Cerritos, CA 90703; 310-867-5955

■ **Managing International Business**
International business strategy
Macintosh LC III or larger; 6 MB of RAM; 5 MB of free hard disk space; System 7.0 or later; 256 colors; Excel or Lotus 1-2-3; CD-ROM drive.

Managing International Business will assist and train users in exploring organizational and managerial implications of implementing a global strategy. Based on three Harvard Business School case studies, Managing International Business provides a dynamic learning environment where users can perform what-if analysis and see company presidents, CEOs and managers comment on global business. Included in this module are lectures by Harvard Business School professor Christopher A. Bartlett and INSEAD professor Sumantra Ghoshal. Managing International Business includes video, audio, animated graphics and text that present an opportunity to analyze the approach of four companies — Philips, Matsushita, Procter & Gamble Europe and Asea Brown Boveri — and to compare and assess organizational efforts to integrate transnationally.
$89.95 retail
Course Technology, Inc.; One Main St.; Cambridge, MA 02142; 617-225-2595, 800-648-7450 or 617-225-7976 (fax)

mbs @nalyst
@function add-in library for Microsoft Excel
Macintosh II or larger; math coprocessor recommended.

mbs @nalyst is an @function add-in library for Microsoft Excel. The library includes calculations useful for trading mortgage-backed securities, such as GNMA, FNMA and FHLMC pass-throughs. The functions not only handle pass-throughs, but also interest-only (IO), principal-only (PO) and other strips. Calculations include price, yield, modified duration, weighted average life, implied prepayment speed, payment components and factors. Six different prepayment assumptions are supported: constant prepayment rate (CPR), absolute prepayment rate (APR), Public Securities Association (PSA), custom prepayment curve, FHA experience and n month.
$495 retail
Tech Hackers, Inc.; 50 Broad St.; New York, NY 10004; 212-344-9500 or 212-344-9519 (fax)

options @nalyst
@function add-in library for Microsoft Excel
Macintosh II or larger; math coprocessor recommended.

options @nalyst is an @function add-in library for Microsoft Excel. When used concurrently with a data feed, the functions provide real-time pricing and sensitivity analysis both for individual options and for portfolios containing multiple options. The library supports both modified Black-Scholes and binomial (Cox-Rubinstein) pricing models. It also includes four functions for volatility calculations. One function can provide real-time implied volatility calculations from option quotes. Three other functions compute volatility from historical underlying prices. Pricing and sensitivity functions support American & European calls and puts. The functions accept a holding cost parameter for options on equities, futures (Black model), commodities, foreign currency (Garman-Kohlhagen model) and bonds. Sensitivities computed include delta (hedge ratio), gamma, theta, rho, kappa, omega and more. For options on equities, three dividend adjustment methods are supported: continuous dividend yield, constant dividend yield and actual dollar dividends. Other functions included perform date and business day arithmetic.
$495 retail
Tech Hackers, Inc.; 50 Broad St.; New York, NY 10004; 212-344-9500 or 212-344-9519 (fax)

Package X Plus
Tax preparation
Macintosh Plus or larger; Excel 4.0 or later; System 6.0 or later.

Package X Plus combines more than 250 IRS tax forms into a single tax program for the tax professional. The tax practitioner can easily prepare any tax return form 706 to 5500 with Package X Plus. Tax preparers can begin to prepare tax returns in minutes because the online forms look just like the IRS forms and tax information is entered directly on the forms. Because ATX's power is derived from Excel, tax preparers can modify all calculations and link their own worksheets. ATX's Smart Forms are for professional tax preparers who want speed from their Macintosh at a reasonable cost and need professional laser-print quality tax returns. With ATX Package X Plus, Macintosh tax practitioners will never prepare a tax return by hand again. Package X Plus includes: 706, 709, 720, 940, 941, 990, 1040, 1041, 1065, 1120, 1120S, 2290, 5471, 5472 and 5500.
$495 retail
ATX Forms, Inc.; PO Box 630; Washburn, ME 04786; 800-944-8883 or 207-455-0963 (fax)

Personal Analyst
Computerized market analysis
Macintosh Plus or larger; 1.5 MB of RAM; hard disk drive.

With Personal Analyst, Traditional Bar, Japanese Candle, Point & Figure and Line charts are available on demand. Daily, weekly and monthly charts are all created from the same data and all offer unmatched flexibility. Custom layouts "remember" every aspect of a user's personal design. With up to nine charts per layout and 16 indicators per chart, the combinations are endless. Users can shift from one layout to another in seconds. Personal Analyst employs the Macintosh user interface. Users can scroll through a portfolio, ranked and sorted by a variety of factors, as well as resize, zoom, tile and stack windows and indicators with pull-down menu speed and point and click simplicity.
$395 retail
Trendsetter Software, Inc.; 2020 N. Broadway, Ste. 102; Santa Ana, CA 92706; 714-547-5005, 800-825-1852 or 714-547-5063 (fax)

Personal Hotline
Beyond charting and analysis
Macintosh Plus or larger; 1.5 MB of RAM; hard disk drive.

In today's markets, knowing what to look for doesn't always guarantee success. Users also must know when to look, a critical factor that Personal Hotline can help them determine. Trendsetter's expert model lets users discern which charts need closer examination, saving them a very precious commodity — time. And when the time to take action nears, Personal Hotline delivers with access to all of the charting and analysis features of Personal Analyst. Based on channel identification and chart pattern recognition, this unique trading model makes recommendations on where to buy, sell and place stop-losses. Personal Hotline tracks its own trading results, trailing stops and moving objectives as market conditions change.
$595 retail
Trendsetter Software, Inc.; 2020 N. Broadway, Ste. 102; Santa Ana, CA 92706; 714-547-5005, 800-825-1852 or 714-547-5063 (fax)

PlanMaker
Business plan software
Macintosh with 2 MB of RAM; hard disk drive; System 6.0.5 or later.

PlanMaker is a self-contained program that enables users to craft professional-quality and sophisticated business plans. Guiding users step by step from executive summary through important financial forecasts, PlanMaker provides the best format and narrative in innovative on-screen modules that are easily customized to suit a user's enterprise. Three finished business plans, complete in every way, are available to suggest phrasing and composition. Partial or complete segments may be edited to suit a user's needs, and easily imported into a business plan. All calculations and formatting are automatic.
$129 retail
PowerSolutions for Business; 1920 S. Broadway; St. Louis, MO 63104; 800-955-3337 or 314-421-0668 (fax)

Portfolio Watcher
Portfolio management
Macintosh Plus or larger; hard disk drive; System 6.0 or later.

Portfolio Watcher offers a complete solution to portfolio management. If offers a complete record keeping system for stock, bond, option and mutual fund investments. Portfolio Watcher can maintain an unlimited number of portfolios, limited only by disk space. The program handles Buy, Sell, Sell Short, Cover Short, Dividends, Stock Splits and Interest Income transactions. It adjusts for stock splits, dividends, cash distributions and return of capital. A user's cash balance is determined instantly after each transaction. When it's time to do income taxes, users can export all reports and data to other programs, such as a spreadsheet program. Portfolio Watcher shares historical pricing information with Micro Trading Software's technical analysis charting programs, Wall Street Watcher and Stock Watcher.
$149.95 retail
Micro Trading Software, Inc.; PO Box 175; Wilton, CT 06897; 203-762-7820

Pro Forma
Generates pro forma financial statements with detailed analyses automatically
Macintosh Plus or larger; Microsoft Excel.

Pro Forma is a modeling program used to generate and analyze pro forma (projected) financial statements. A user can forecast and evaluate a company's financial condition for up to 10 years, estimate financing requirements, perform What-If analysis on alternative courses of action and provide a standard evaluation of actual performance. Pro Forma is completely automated. After a user sets the parameters, the pro forma financial statements are quickly generated. Extensive what-if tools make multiple scenario modeling easy. It includes analysis of financial statements.
$189 special
Spreadware; PO Box 4552; Palm Desert, CA 92261; 619-347-2365 or 619-347-6045 (fax)
FAX✆NDEMAND 1-800-872-3293 **166**

Professional Analyst
Real-time charting and analysis
Macintosh II or larger; 4 MB of RAM; hard disk drive; Signal data service.

Professional Analyst can turn a Macintosh into a professional trading station. It brings each market to life with multiple quote monitors, tickers and graphic windows. Users can track all of the markets, tick by tick, minute by minute, staying informed as the action happens. Designed by traders for traders, this real-time charting package will maximize a user's profits. It features audio/visual alarms, the best technical studies, market leaders, time and sale — everything users need to succeed. Easy to use, fast and precise, Professional Analyst makes real time really affordable.
$595 retail
Trendsetter Software, Inc.; 2020 N. Broadway, Ste. 102; Santa Ana, CA 92706; 714-547-5005, 800-825-1852 or 714-547-5063 (fax)

ProQuote
Real-time or delayed charting and analysis
Macintosh Plus or larger; 1.5 MB of RAM; hard disk drive; Signal data service.

ProQuote is for users who are new to trading or on a budget, or for Pros who don't need all the bells and whistles. Basic charting, the most requested technical analysis tools, quote monitor and support for all of Signal's special features is provided. ProQuote is easy to use and easy on the budget. It comes with a 30-day, money-back guarantee.
$395 retail
Trendsetter Software, Inc.; 2020 N. Broadway, Ste. 102; Santa Ana, CA 92706; 714-547-5005, 800-825-1852 or 714-547-5063 (fax)

Quote Master 1.8
Real-time stock monitoring system
Macintosh Plus or larger; 20 MB hard disk drive.

Quote Master allows users to monitor security prices as they happen, 24 hours a day. Users can track and follow any valid stock, future, option or index that is desired. The system uses a low-cost FM receiver for current price, high and low, net change and volume. User-set alarms signal price limits, volume changes, limit orders and more. Quote Master graphs intra-day prices for any monitored security and graphs inter-day prices for any archived security. Ticker information can be exported to spreadsheets and databases for further manipulation.
$395 retail; demo disks available
Strategic Planning Systems, Inc.; 1409 Kuehner Dr., #1174; Simi, CA 93063; 805-522-8979, 800-488-5898 or 805-522-9687 (fax)

Sales And Market Forecasting Toolkit V2.0
Explains and illustrates sales and market forecasting techniques
Macintosh 512K or larger; Microsoft Excel, Multiplan or Works (Excel recommended).

The Sales and Market Forecasting Toolkit is a set of spreadsheet worksheets, macros, graphs and a workbook designed to assist in sales and market forecasting. The complete package includes a disk and a practical, easy-to-use workbook that explains all of the formulas and the forecasting methodologies used. It provides detailed, comprehensive coverage of practical forecasting techniques, such as customer poll, market share model, product life cycle, linear regression and others. It also includes dozens of sample spreadsheet models, graphs and special forecasting macro commands (Excel version) and charts. Even though the package will work with any spreadsheet that reads SYLK files, the company recommends Microsoft Excel because it includes macros and charts that will not work with the other spreadsheets.
$149.95 retail
Palo Alto Software; 144 E. 14th Ave.; Eugene, OR 97401; 503-683-6162, 800-229-7526 or 503-683-6250 (fax)

Signal
Real-time stock market information provider
Macintosh SE or larger.

Signal is designed for the serious investor and brings market information from the major exchanges directly to a user's computer in real time via FM, cable TV or satellite. Signal lets users create customized portfolios by choosing the issues and the information they want to track, and it allows them to monitor more than 65,000 issues from all the major exchanges. Users can set audio and visual alerts for high or low price limits and volume, and Signal gives users a customizable ticker that scrolls on the bottom of the screen. Users can use Signal by itself or in conjunction with many other software programs to create spreadsheets and analyze portfolio performance.
$695 retail
Data Broadcasting Corp.; 1900 S. Norfolk St.; San Mateo, CA 94403; 415-571-1800, 800-367-4670 or 415-571-8507 (fax)

SmartInvestor Dictionary
Online reference to the terms of investment and finance
Macintosh Plus or larger; word processor or text editor; System 6.0 or later.

With more than 800 definitions, the SmartInvestor Dictionary provides a ready reference to the lexicon of the world of investment and finance. Terms are clearly defined and cross-referenced to avoid the syndrome of investment jargon being defined with more investment jargon. All terms and definitions are provided on either a 3.5- or 5.25-inch disk, in both text (ASCII) and Rich Text Format (RTF). Definitions cover: Real Estate, Banking, Stocks, Bonds and Mutual Funds.
$24.95 retail
InveXtek, Inc.; PO Box 9723; Stanford, CA 94309; 415-855-9099 or 707-763-5851 (fax)

Spreadware Budgeting
Creates a variety of simple and complex budgets, as well as providing tools to modify existing budgets
Macintosh Plus or larger; Microsoft Excel.

Spreadware Budgeting allows a variety of simple and complex budgets to be created for companies and/or departments and divisions. Standard accounts may be established, and a budget can be based on actual figures, growth rate, previous years and previous reporting periods. Spreadware Budgeting is designed to facilitate the consolidation of multiple budgets. Revisions may be made before and after consolidation. When the budget is completed, an analysis can be made when the actual data becomes available. A forecast option is also provided, which allows for an analysis of projected results based on actual data.
$89 retail
Spreadware; PO Box 4552; Palm Desert, CA 92261; 619-347-2365 or 619-347-6045 (fax)
FAX✆NDEMAND 1-800-872-3293 **167**

Spreadware Business Valuator
Estimates the value of a business
Macintosh Plus or larger; Microsoft Excel.

There are numerous methods of estimating the value of a company, and Spreadware Business Valuator provides users with more than 10 of the most popular and useful methods. These methods can be used independently or weighted in any manner. Users could hire an appraiser for thousands of dollars who could give them a wide range estimate or do it themselves quickly and easily. Not only does this model apply various valuation methods, but methods can be combined and weighted. Weighting can also be applied within a method. If the user owns or is invested in a business, do they know what it's worth? If users are buying or selling a business, shouldn't they apply a valuation model? Because of the easy-to-understand design, users do not need to be a financial expert to estimate the value of a business when using Spreadware Business Valuator, and most importantly — it is designed so closely held company values can be estimated quickly and easily.
$98 retail
Spreadware; PO Box 4552; Palm Desert, CA 92261; 619-347-2365 or 619-347-6045 (fax)

Stock Watcher
Financial market technical analysis program
Macintosh Plus or larger.

Stock Watcher is a technical analysis program for financial markets. The program uses the Macintosh's interface to offer advanced tools that analyze stocks, commodities, mutual funds and market indices. Features include: cycle and trendline analysis; high-resolution graphics; rapid generation of graphs and summary reports; four graph sizes display any of the dozens of built-in technical indicators, such as stochastics, MACD, moving averages, oscillators, on balance volume, advance/decline line, retrieve strength, TRIN, etc.; and automatic current day and historical quote retrieval from CompuServe and Dow Jones.
$195 retail; demo is available
Micro Trading Software, Inc.; PO Box 175; Wilton, CT 06897; 203-762-7820

StreetSmart
Complete securities trading, research and portfolio management
Macintosh with 4 MB of RAM; 5 MB of free hard disk space; Hayes-compatible modem; System 7.0 or later.

StreetSmart is complete investment and trading software. The software puts users online to trade, check their Schwab accounts and get real-time quotes and the latest news and research from Wall Street. StreetSmart's extensive portfolio management features give users the ability to create custom reports and graphs that help them monitor and manage a diversified portfolio. StreetSmart allows users to trade stocks, mutual funds, options and listed corporate bonds while receiving a 10 percent commission discount from Schwab. All investment information can be automatically downloaded from Schwab accounts for easy portfolio management. Users can create gain/loss reports, transaction logs and a variety of graphs, including asset

allocation, security price histories, Return on Investment and more. Users can also access Dow Jones News Retrievel, S&P MarketScope or Company Reports for the latest market information to help make investment decisions.
$59 retail
Charles Schwab & Co., Inc.; 101 Montgomery St.; San Francisco, CA 94104; 415-403-5549, 800-334-4455 or 415-4023-5515 (fax)

TaxBreak Iowa
Professional software for Iowa individual income tax preparation
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; 4th Dimension Runtime (included).

TaxBreak displays Iowa Department of Revenue forms and schedules on screen, along with specially designed worksheets. Data can be entered directly onto displayed forms, as well as be imported from MacInTax and TurboTax. Data is fully linked between forms, schedules and worksheets. TaxBreak performs all tax calculations; allocates dependent credits; prorates adjustments, deductions and credits; and determines the best filing status for married taxpayers. All forms are printed in Department-approved format. Returns can also be batch printed. TaxBreak includes IA 1040X, as well as all major Iowa individual income tax forms.
$249 retail
Softpro; 2016 S. Ridge Dr.; Coralville, IA 52241; 319-354-7762

TaxPro 94
Tax planning and financial management
Newton MessagePad.

TaxPro 94 is tax planning and financial management software for the Newton MessagePad. Designed and developed by CPAs, it is a powerful tool for improving cash flow, analyzing tax strategies, planning payments and reducing withholding. Based on the 1040 Federal Income Tax Form, TaxPro allows users to explore any number of tax planning scenarios and to see the costs and benefits of tax filing options. TaxPro users can quickly and easily change variables for filing status, exemptions, tax rates and tax years and instantly view the bottom line impact of the payment due or refund.
$49.95 retail
Advanced Mobile, Ltd.; 1660 N. Prospect Ave.; Milwaukee, WI 53202; 414-271-7711 or 414-224-1525 (fax)

■ **Tim Berry's Business Plan Pro**
Creates professional business plans
Macintosh Plus or larger; 4 MB of RAM; System 7.0 or later.

Tim Berry's Business Plan Pro is a stand-alone program that creates professional business plans. Based on the Business Plan Toolkit, Tim Berry's Business Plan Pro guides users step by step in the development of a comprehensive business plan. It is ideal for starting new companies, launching new products or attracting investors or partners. The program includes prompted topic-by-topic text preparation to assure that every vital section is covered thoroughly and with the proper language. Tim Berry's Business Plan Pro offers a choice of formats to create the best plan for virtually every type of business: home office, service, retail, distribution and assembly/manufacturing. The package includes complete sample plans in the manual and on disk. The manual includes practical and useful tips on business planning and easy-to-follow instructions.
$179.95 retail
Palo Alto Software; 144 E. 14th Ave.; Eugene, OR 97401; 503-683-6162, 800-229-7526 or 503-683-6250 (fax)

TurboTax ProSeries 1065, 1120, 1120-S For Macintosh
Tax preparation
Macintosh Plus or larger; 4 MB of RAM; hard disk drive.

The TurboTax ProSeries 1065, 1120 and 1120-S products display all IRS Forms and Schedules on screen in the actual IRS format, along with specially-designed statements and worksheets. Data is entered directly into displayed forms, while the program makes all tax calculations and checks all input to ensure consistent and complete entries. Data is automatically linked between the appropriate forms. For easy reference, the program features the IRS instructions for each form online by line item and topic. All printouts are replicas of the official IRS forms and are approved for signature and submission.
$399 each retail
Intuit Inc.; 6330 Nancy Ridge Dr., Ste. 103; San Diego, CA 92121; 800-934-1040 or 800-685-7036 (fax)

TurboTax ProSeries/1040 For Macintosh
Tax preparation
Macintosh with 68030 microprocessor or larger; 4 MB of RAM; System 6.0.7 or later; hard disk drive.

TurboTax ProSeries/1040 is a full-featured individual income tax preparation program. It displays IRS Forms and Schedules on screen in the actual IRS format, along with specially-designed statements and worksheets. TurboTax's proprietary "forms-based" technology allows users to enter data directly on displayed forms, while the program makes all tax calculations and checks all input to ensure consistent and complete entries. Data is automatically linked between the appropriate forms and schedules. TurboTax's Itemization feature enables users to create supporting tax schedules that minimize the risk of error for complex returns. Special professional features include integrated IRS instructions, client billing, comprehensive tax diagnostics, electronic bulletin board support and much more.
$499 retail
Intuit Inc.; 6330 Nancy Ridge Dr., Ste. 103; San Diego, CA 92121; 800-934-1040 or 800-685-7036 (fax)

TurboTax Tax Planner
Tax preparation
Macintosh Plus or larger; hard disk drive.

TurboTax Tax Planner can help users evaluate tax law changes, make effective payroll/W-4 withholdings, calculate estimated tax payments, analyze multiyear tax scenarios and find ways to cut their tax bill. It includes the "EasyStep" Interviewing System, which walks users through the entire tax planning process, just like an accountant would. Users can have a complete tax plan in just a few minutes.
$29.95 retail
ChipSoft, Inc.; 6330 Nancy Ridge Dr., Ste. 103; San Diego, CA 92121; 602-295-3100 (personal tax preparers), 619-550-5050 (professional tax preparers) or 800-374-7057 (fax)

Wall Street Watcher
Stocks and commodities technical analysis program
Macintosh Plus or larger.

Wall Street Watcher is a stock and commodities technical analysis program. Features include: cycle and trend-line analysis; four graph sizes display 15 indicators, including relative strength stochastics, MACD, moving averages, TRIN, advance/decline line, etc.; and automatic quote retrieval from Dow Jones and CompuServe.
$495 retail; demo is available
Micro Trading Software, Inc.; PO Box 175; Wilton, CT 06897; 203-762-7820

Warmachine
Real-time stock, commodity and options trading program and expert trading system that scans all markets for breakouts
Macintosh Plus; 1 MB of RAM; or Macintosh II; 2 MB of RAM; up to three monitors; FNN Signal quote receiver.

Warmachine is a real-time stock, commodity and options trading program for use with the FNN Signal quote receiver. It offers numerous technical analysis tools to aid in the interpretation of the direction of market movement and trading systems, which are useful in finding buy and sell points. Up to six different graphs can be viewed simultaneously on a Macintosh II or four on a Macintosh SE. Moving averages and indicators can be plotted on the charts of the various markets. Warmachine scans all markets for unusual volatility and alerts the user.
$295 retail; MacQuotes (quotes only, no graphics)
$495; Macintosh version
$795; Macintosh II version
$395; FNN Signal Receiver
Warmachine; 1700 Taylor N, #301; Seattle, WA 98109; 206-283-3708

Vertical Markets/Health Care

12 Lead ECG Case Studies
Computer-assisted instruction programs for health care professionals
Macintosh Plus or larger; 2 MB of RAM; HyperCard 2.0 or later.

With 12 Lead ECG Case Studies, users will apply basic skills of 12-lead ECG interpretation to 12 case studies, identifying anterior, lateral, posterior and inferior myocardial infarction. Several case studies allow detection of ECG mimics of infarct (bundle branch block, ventricular pacing, etc.). Selected screens from "12 Lead ECG Interpretation" are used as review when needed. Case studies focus on the ECG findings during actual clinical scenarios related to coronary artery disease (including acute closure after PTCA leading to bypass surgery) and valvular heart disease.
$350 retail
Fain & Co.; 957 Blue Ridge Ave.; Atlanta, GA 30306; 404-876-4668 or 404-876-4085 (fax)

12 Lead ECG Interpretation
Computer-assisted instruction programs for health care professionals
Macintosh Plus or larger; 2 MB of RAM; HyperCard 2.0 or later.

12 Lead ECG Interpretation is targeted at nursing schools, hospital critical care units and individual health professionals whose work involves interpreting 12 lead electrocardiograms (ECGs). Extensive graphics are used in each of the five, self-paced modules that are designed to allow users ample opportunity to master the material. Performance checks have also been built into each module to help users monitor their progress. 12 Lead can also be used in a classroom setting for small group instruction.
$350 retail
Fain & Co.; 957 Blue Ridge Ave.; Atlanta, GA 30306; 404-876-4668 or 404-876-4085 (fax)

1993 Year Book Series
Complete text of 33 Year Books from 1991 to 1993 from Mosby Year Book, Inc., plus excepts from The New England Journal of Medicine, the Journal of the AMA, Annals of Internal Medicine and Lancet
Macintosh Plus or larger; 2 MB of RAM; color display requires 8-bit color, 32-bit QuickDraw and color monitor; System 6.0.5 or later; CD-ROM drive.

1993 Year Book Series contains the complete text of 33 Year Books from 1991 to 1993 from Mosby Year Book, Inc. Titles for this CD-ROM edition are Year Books of: Dermatology, Diagnostic Radiology, Drug Therapy, Emergency Medicine, Family Practice, Medicine, Neonatal/Perinatal Medicine, Obstetrics & Gynecology, Pediatrics, Psychiatry and Sports Medicine. In addition, excerpts from The New England Journal of Medicine, the Journal of the AMA, Annals of Internal Medicine and Lancet are included.
$295 retail
$395 retail; institutional
Creative Multimedia; 513 NW 13th Ave., Ste. 400; Portland, OR 97209; 503-241-4351, 800-854-9126 or 503-241-4370 (fax)

Abacus Dental Information System
Practice management software
Macintosh Plus or larger; 2 MB of RAM (4 MB with System 7); hard disk drive; System 6.0.5 or later.

Abacus Dental Information System is state-of-the-art practice management software designed to enable dentists to control practice management without a consultant. It is designed for the issues that are of unique concern to dental management: insurance billing, patient notes and insurance company payment history. Total financial and practice profile is possible with this system. Patient statements are on customized forms; all standard and non-standard insurance forms are created and ready to go. The complete system includes hardware, software, practice analysis, training, implementation and support.
$6,200 retail; single user (including electronic claims and nine months of support)
$7,200 retail; multiuser (including electronic claims and 12 months of support)

These Products Available Through Bottom Line Distribution
1-800-347-1923

Abacus Informatics, Inc.; PO Box 1476; Culver City, CA 90232; 310-838-3868, 800-357-1300 or 310-559-1254 (fax)

Abacus Medical Information System
Practice management software
Macintosh Plus or larger; 2 MB of RAM (4 MB with System 7); hard disk drive; System 6.0.5 or later.

Abacus Medical Information System is up to data practice management software designed to enable medical doctors to control practice management without a consultant. Designed for the issues that are of concern in managed care environments and capitated payment arrangements, this software does it all: insurance billing, patient notes, clinical analysis, CPT code and ICD9 code mix and tables for tracking insurance company payment history. Total financial and practice profile is possible with AMIS (Abacus Medical Information System). Patient statements are on customized forms; all standard and non-standard insurance forms are created and ready to go. It provides electronic claims direct to Medicare, Medicaid and Medical. Workers' compensation lien forms are included. The complete system includes hardware, software, practice analysis, training, implementation and support.
$5,800 retail; single user (including electronic claims and nine months of support)
$7,200 retail; multiuser (including electronic claims and 12 months of support)
Abacus Informatics, Inc.; PO Box 1476; Culver City, CA 90232; 310-838-3868, 800-357-1300 or 310-559-1254 (fax)

Abacus Medical Records InfoSystem
Electronic patient record keeping
Macintosh Plus or larger; 2 MB of RAM (4 MB with System 7); hard disk drive; System 6.0.5 or later.

Abacus Medical Records InfoSystem provides a solution for electronic patient record keeping. A billing module is also available, if needed. This is a complete system for the management of clinical data. Users can maintain accurate, up-to-date and easily retrievable progress notes, as well as minimize dictation and costly transcription.
$9,500 retail; single user (including electronic module and nine months of support)
$13,500 retail; multiuser (including electronic module and 18 months of support)
Abacus Informatics, Inc.; PO Box 1476; Culver City, CA 90232; 310-838-3868, 800-357-1300 or 310-559-1254 (fax)

■ **Abacus Optometric InfoSystem**
Optometric database and management
Macintosh Quadra 605; 4 MB of RAM; System 7; hard disk drive.

Abacus Optometric InfoSystem is a powerful database software product ideal for optometrists. Day sheets and 38 additional reports make it possible to control inventory, sales analysis and practice management. Forms are generated to satisfy all requirements for insurance billing. Accounts receivable aging tracks outstanding patient insurance company payments. The system includes hardware, software, two hours of practice consultation, software training (10 hours), system implementation and free customer support for one year.
$4,350 retail
$30 retail; demo disk
Abacus Informatics, Inc.; PO Box 1476; Culver City, CA 90232; 310-838-3868, 800-357-1300 or 310-559-1254 (fax)

Abacus Statistical Tools For Managed Care
Mathematical models for helping professionals make professional decisions
Macintosh Plus or larger; 2 MB of RAM (4 MB with System 7); hard disk drive; System 6.0.5 or later.

Abacus Statistical Tools For Managed Care are mathematical models for helping professionals make professional decisions. This is the new art of Decision Science applied to practice management and practice control. It is customizable and unique in its statistical validity. Abacus software helps take the worry out of making choices: each doctor knows the financial consequences of each contractual decision that is made. They can forecast income, profit, fixed and variable costs. Abacus Statistical Tools For Managed Care is ideal for evaluating managed care contracts.
Call for pricing; varies according to complexity of variables being analyzed
Abacus Informatics, Inc.; PO Box 1476; Culver City, CA 90232; 310-838-3868, 800-357-1300 or 310-559-1254 (fax)

AccountMaster
Account management system for dental laboratories
Macintosh Plus or larger; 4 MB of RAM; hard disk drive.

AccountMaster is an invoice, statement and accounts receivable program designed exclusively for small dental laboratories. Work can be entered as it is received or can be written up when completed. The program includes features designed to minimize typing by clicking on products in the Prices window, and the product or service description and price are entered on the open invoice. With multilevel pricing, each dentist can be assigned any one of five different price levels. AccountMaster was carefully developed for ease of use with non-computer users in mind while utilizing the speed and power inherent in the program. Invoices can record complete patient information. Invoices can be printed individually or by group from one menu choice. Statements will handle any number of individual invoices from one to literally hundreds, and can be prepared for one dentist or all accounts for the month. Sales can be viewed on screen or printed to evaluate monthly sales by dentist. Another feature allows the user to count the number of restorations, such as PFM crowns or DWTs of gold alloy for a given period. The integrated letter writing feature enables laboratories to easily send a letter, such as a new product announcement to all accounts. One or several dentists can be designated to receive another letter, such as a late payment notice. The program uses three-part carbonless paper with the ImageWriter or the AccountMaster Laser form with the StyleWriter II or LaserWriter printers.
$840 retail
MacEssentials; 422 5th St. SE; Watertown, SD 57201; 605-886-2553, 800-658-3899 or 605-886-2739 (fax)

American Family Physician
Provides eight years (1986 to 1993) of the American Family Physician
Macintosh Plus or larger; 2 MB of RAM; color display requires 8-bit color, 32-bit QuickDraw and color monitor; System 6.0.5 or later; CD-ROM drive.

This CD-ROM provides eight years (1986 to 1993) of the American Family Physician, the official clinical journal of the American Academy of Family Physicians. AFP provides continuing medical education for family physicians and other physicians involved in primary care. Each issue of AFP contains original scientific articles with emphasis on diagnostic and therapeutic techniques, as well as abstracts from major medical journals and reports on recent developments in medicine. All articles are written by physicians and are peer-reviewed before publication.
$295 retail
$395 retail; institutional
Creative Multimedia; 513 NW 13th Ave., Ste. 400; Portland, OR 97209; 503-241-4351, 800-854-9126 or 503-241-4370 (fax)

Brody's Medical Dictionary
Medical terminology
Macintosh Plus or larger; hard disk drive; System 5.0 or later.

Brody's Medical Dictionary will give users access to the latest medical terminology. Developed exclusively for Inductel by medical experts, it contains more than 40,000 definitions on today's rapidly changing medical field. This version gives users the ability to search for wildcards, anagrams and perform reverse searches and batch file searches. It includes both desk accessory and application versions of the program and is fully System 7 savvy.
$59.95 retail
Inductel Inc.; 5339 Prospect Rd., Ste. 321; San Jose, CA 95129; 408-866-8016 or 408-243-1762 (fax)

Care Plans HyperCard Stack
Nursing care plans
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; HyperCard 2.0 or later; System 6.0.7 or later.

Designed for personal use by nurses, nurse managers, nursing educators and nursing students, Care Plans HyperCard Stack contains more than 100 nursing care plans based on NANDA nursing diagnoses in the easy-to-use HyperCard format. Users can print patient care plans or export selected problems for inclusion in patient case studies and other word processing documents.
$30 retail
MacNursing Software; 165 Outrigger Dr.; Vallejo, CA 94591; 415-281-5883

Care4th Pro
Medical record and clinical database system
Macintosh with 3 MB of RAM; hard disk drive; PowerBook-sized display or larger.

Care4th is a comprehensive medical record and clinical database environment. Progress note entry is accomplished faster than by dictation, through user-customizable templates, prompts and choice lists. Users can scan for interactions, allergies and "warning diagnoses." Users can define criteria for tests and interventions, and then determine for which interventions any patient is due. Virtually every aspect of medical documentation is elegantly handled. This physician-designed program can truly revolutionize the way users manage clinical information, allowing them to feel in total control. Available modules even handle handouts for patients and images. Care4th uses an interface totally familiar to physicians. It can be used by solo practices, as well as larger groups. It is compatible with 4D Server.
$2,699 retail; single user
Med4th Systems, Ltd.; 716 E. Carlisle Ave.; Milwaukee, WI 53217; 414-963-1985 (phone/fax)

Center Psych
Billing and office integration for the psychiatric office
Macintosh LC III or larger; 4 MB of RAM.

Center Psych automatically organizes and manages information central to a psychotherapy office. Automatic printouts include insurance forms, patient statements, past-due summaries, patient billing histories, referral analyses and anticipated earnings reports. Center allows line-item detail posting for each reported procedure. Estimated co-payments can be automatically billed in the current month or actual co-payments can be billed after the insurance companies have paid. Extensive automatic defaults and validation tests accelerate use and increase accuracy. Center can also provide several optional "levels" of added features, which can electronically integrate a user's office to higher degrees. It's ideal for an office of any size.
$695 retail; enhanced basic level
$225 and up retail; electronic office modules
Horodko Studios; a Division of Horodko Sountrax, Inc.; 111 Vallejo St.; San Francisco, CA 94111; 415-956-8739, 800-234-5647 or 415-663-1422 (fax)

■ **Chiro-Practice**
Chiropractors office tool
Macintosh Plus or larger; FileMaker Pro runtime.

Chiro-Practice offers a perfect and practical office computer tool for chiropractors who don't need programs costing thousands of dollars. Its basic files include: Clients (patient records and billing, plus labels, envelopes and personalized letter formats); Letter Template (stores correspondence); ICDA Codes (procedures and costs); Day Tracker (daily appointments); and Year At A Glance (schedules vacations and professional meetings). This program also can print billing data on HFCA 1500 insurance claim forms, and can even remember birthdays. It was developed and designed jointly by a practicing chiropractor and a computer expert with a goal of avoiding excess data that can slow down or confuse the user. It is easy to learn and use, sensibly practical and the budget-priced way to intelligently organized patient files.
$799 retail
Simplified; 642 E. Squirrel Tail Dr.; Tucson, AZ 85704; 602-797-2990 or 602-797-7865 (fax)

Chiroglyphics 2.2
Medical management for chiropractics
Macintosh with 5 MB of RAM; 80 MB hard disk drive.

Chiroglyphics, based on the 4th Dimension client-server environment, is an accounts receivable management package for use in physicians' offices. It emphasizes communications, including electronic

filing, while also handling insurance claim form preparation, billing and collections, procedure analyses, aged account analyses and HMO analyses. The system supports multiple sites, multiple patients per account and multiple fee schedules, making it at home in private, HMO or PPO settings. A standard insurance form may be generated at the time of each patient visit. Claims may be refiled automatically. Integrated word processor, appointment scheduler and spreadsheet are optional. Chiroglyphics is compatible with 4th Dimension-based general ledger, payroll and other general business packages from other vendors.
$3,995 retail; single user (site licenses are available)
Medformatics Inc.; 1306 Ft. Bragg Rd.; Fayetteville, NC 28305; 910-323-1748, 800-745-1767 or 910-323-1534 (fax)

ChiroMac
Chiropractic office management
Macintosh SE/30 or larger; 5 MB of RAM; hard disk drive.

ChiroMac is a completely integrated chiropractic office management system. It can be used in a single or multiuser environment and is designed to automate patient accounts receivable and insurance information. An on-screen ledger system handles account transactions, payments, billing statements and the printing, tracking and follow-up of insurance claims. Individual finance charges can be assigned and calculated, and the aging of accounts can be done automatically. ChiroMac contains a built-in letter processor and can generate encounter forms and more than 60 practice management reports. A narrative generator helps cut time spent on repetitive paper work. The system also stores treatment plans and can track patient progress, along with any needed notations. All data within the ChiroMac system can be merged with other Macintosh applications. Optional appointment scheduling and electronic insurance claims modules are also available. Complete training and technical support programs can be provided.
$1,995 to $3,495 retail; single user to multiuser
HealthCare Communications, Inc.; 300 S. 68th, Ste. 100; Lincoln, NE 68510; 402-489-0391, 800-888-4344 or 402-489-6411 (fax)

CIBS For Mental Health Practitioners
Mental health management
Macintosh Plus or larger; hard disk drive; Claris FileMaker Pro 2.0; System 6.0.4 or later.

CIBS (Client Information and Billing System) automates the information and billing processes for psychologists, psychiatrists and social workers. The system uses five database modules — Client Information, Client Billing, Codes, Therapists and Insurance Companies — to manage the practice. If desired, CIBS supports personalized client billing for each therapist in the practice. DSM-IIIR diagnostic codes are fully supported. Users may address billing statements to the client or to other parties. Several automated processes are built into the system, including monthly billing, daily insurance billing, daily activities, practitioner account balances, insurance balances, client summary and client visits. Insurance billing can be handled by percentage or contractual methods and several standard insurance forms are included in the system, including HCFA 1500, U.S. Behavioral Health and American PsychManagement, Inc. Multiusers are supported under FileMaker Pro on LocalTalk or Ethernet.
$249 retail
$25 retail; demo
Macworks; 4211 Balcones Woods Dr.; Austin, TX 78759; 512-343-8960

■ **Clinical Pharmacology**
Teaching and reference guide
Macintosh Plus or larger; 20 MB of free hard disk space; color video monitor (16-bit color recommended); CD-ROM drive.

Clinical Pharmacology is an electronic reference and teaching guide to the most common and classic drugs in current use. Concise, clinically-oriented information, written specifically for an electronic format, is available for hundreds of drugs and is accessible in a variety of unique approaches. Abbreviated monographs are available for thousands of less common and combination drug products. Clinical Pharmacology offers an interactive point-and-click interface. Navigation through the material is facilitated by extensive indexing and cross referencing, which allows the user to take full advantage of the software environment. Chemical structures, color images and drug-cost information of frequently used dosage forms, along with a testing feature and patient records feature add to the utility of a program for all health care educators and practioners.
$295 retail; including quarterly updates
Call for multiuser pricing
Gold Standard Multimedia Inc.; 235 S. Main St., Ste. 115; Gainesville, FL 32601; 904-373-1100, 800-375-0943 or 904-373-7124 (fax)

■ **The Complete Human Anatomy**
Accurate line drawings of human anatomy
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive.

The Complete Human Anatomy is a concise and comprehensive collection of accurate line drawings of human anatomy. Featuring almost 1,000 illustrations (composed of more than 8,000 separate elements in the EPS format), The Complete Human Anatomy covers major systems of the human body: the building blocks, the nervous, muscular, skeletal, cardiovascular, respiratory, digestive, urinary and reproductive systems, the senses, the endocrine system and the stages of growth and physical development. The 600 dpi TIFF images can be output to any device supporting bit-mapped printing with maximum quality. The EPS format allows the images to be output at any resolution on any PostScript-capable device. The Complete Human Anatomy comes on one CD-ROM with a complete printed thumbnail picture index, as well as a comprehensive name reference index.
$479 retail
MacPDS; PO Box 85097; Seattle, WA 98105; 206-524-2828 or 206-524-1616 (fax)

CQI-Med
Automates all aspects of CQI (Continuous Quality Improvement)
Macintosh II or Quadra family; 4 MB of RAM; 40 MB hard disk drive.

CQI-Med is a Continuous Quality Improvement (CQI) software product designed to automate all aspects of CQI, from data collection to reporting. The product monitors and feeds back quality control information at up to four levels: Corporate, Division, Hospital or Clinic, and individual physician provider. Reporting for any combination of levels is a hands-off operation, which can save many hours of data collation. CQI-Med is suitable for those health care organizations that are mandated to control quality or that voluntarily engage in quality control activities.
$3,995 retail
Medformatics Inc.; 1306 Ft. Bragg Rd.; Fayetteville, NC 28305; 910-323-1748, 800-745-1767 or 910-323-1534 (fax)

Delta Patient Management/Billing System
Medical management and billing
Macintosh LC or larger; hard disk drive; Omnis 7.

The Delta System is an integrated program that performs medical appointment keeping, record storage, epidemiology, case management and billing. The medical billing section allows two third-party payers per invoice, sliding-fee scales, multiple insurance billing schedules, CPT modifier codes, prints on HCFA-1500 (1990) forms and supports RBRVS. Amount due on invoices is automatically carried over and billed to secondary insurance carriers. Patients may be sent one bill per invoice or a superbill. The superbill option supports both patient or family billing. Payments may be posted to the invoice or line item. Positive balances and allowable fees are supported. Payment analyses include: age accounting of invoices by patient, clinic doctor and insurance company; and the calculation of the percentage of payment by different carriers. The patient management section can generate a wide range of reports, including analysis of the number of referred patients, generation of clinic reminder labels, calculation of clinic attendance ratios, calculation of patient attendance ratios and the automatic rescheduling of failed appointments. Audit trail is available for tracking staff invoice and payment deletions.
$1,950 retail; Delta template, Electronic Billing Module and Omnis 7 Runtime
$30 retail; demo, manual and tutorial
$12 retail; demo and tutorial
Delta Medical Shareware, Inc.; 402 Bogle St., Ste. 3; Somerset, KY 42501; 606-679-7745

Delta Presbycusis And Hearing Handicap Calculation
Calculates handicaps in patients with hearing loss
Macintosh Plus or larger; hard disk drive; Omnis 5.

The Delta Presbycusis and Hearing Handicap Calculation is used to calculate handicaps in patients with hearing loss. Users may select from six different handicap formulas (including AAO-1979, AAOO-1959 and NIOSH). Patient audiometric data may be entered into the program and stored. The program has the following functions: using Spoor's or Robinson-Sutton's equations, the hearing loss from presbycusis is calculated for each audiometric frequency (the percentage of the handicap due to presbycusis and the percentage due to non-presbycusis is displayed); the patient's hearing can be projected, by use of Spoor's equations for any future date; and the effects of presbycusis can be subtracted from the audiometric data (the data can then be redisplayed and the hearing handicap calculated).
$99 retail
$12 retail; demo disk
Delta Medical Shareware, Inc.; 402 Bogle St., Ste. 3; Somerset, KY 42501; 606-679-7745

Dental InfoManager
Dental practice management software
Macintosh LC III or larger; 8 MB of RAM; 80 MB hard disk drive; ImageWriter II or LaserWriter.

The Dental InfoManager is a complete practice management system designed to help dental practices with their administration, marketing and patient health care management. It is a flexible, modular software product containing a fully relational database that is designed to allow quick and easy access to practice information. It makes full use of the Macintosh's ease of use and intuitive approach. The software supports patient accounts receivable management, insurance processing, statement billing, recall management and follow-up tracking. Other functions include insurance estimation, referral tracking, patient profiling, marketing analysis, treatment planning, special medical billing and all payer electronic claims. The software also has an integrated word processor that can produce form letters with merged data from the patient database and provide quick letter writing from anywhere in the software. A complete set of financial, management and marketing reports are easily printed and a flexible report generator lets users design custom reports. The software supports both single-user and networked, multiuser configurations and offers full LaserWriter support.
$1,499 to $8,999 retail; depending on modules purchased
Affinity Software Corp.; 1600 Boston-Providence Hwy.; Walpole, MA 02081; 508-668-7800 or 800-437-4307

■ **DentalEase**
Dental office administration
Macintosh SE/30 or larger; 4 MB of RAM; System 6.0.2 or later; hard disk drive.

DentalEase automates the routine administrative functions of a dental practice. Ease of use and one-time patient information entry are key features. Patient medical/dental problem alerts are provided. Billing is routed automatically to the responsible person or insurance company. Dental codes and procedures are pre-entered following standard insurance formats. Office standard charges are entered one time and are automatically posted when procedures are entered, but are adjustable on a case by case basis. Procedures are entered by selecting from a list, then printed by pressing one button, showing both the day's total and grand total. DentalEase handles multiple provider offices, generates patient receipts, monthly statements and multiple financial reports. DentalEase can be customized. It is Helix based.
$750 retail; single user (call for pricing on client/server-multiuser)
$10 retail; fully-functioning, time-limited single-user demo disk
Power Services of N.E. Inc.; 25462 Calle Jardin; San Juan Capistrano, CA 92675; 714-496-7143 (phone/fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

DentalMac
Dental office management
Macintosh SE/30 or larger; 5 MB of RAM; hard disk drive.

DentalMac is a completely integrated dental office management system that can be used in a single or multiuser environment. This automation system is easily upgradeable and is designed to grow with a user's practice. The new DentalMac LE handles account transactions, billing statements, reports, word processing, insurance processing and statement generation. DentalMac SE offers all this, plus a multiple-user configuration, an integrated word processor, a narrative generator, a prescription writer, a flow sheet generator, system utilities and optional modules for scheduling and electronic insurance claims transmission. DentalMac F/X offers scheduling and electronic insurance claims transmission as standard features and includes additional electronic clinical features, such as exam cards, voice annotation, voice-driven dental charting, treatment planning and intraoral dental imaging. DentalMac utilizes Apple's Data Stream Protocol for fast, efficient operation over either a LocalTalk or EtherTalk network.
$1,995 to $7,495 retail; DentalMac LE to DentalMac F/X
HealthCare Communications, Inc.; 300 S. 68th, Ste. 100; Lincoln, NE 68510; 402-489-0391, 800-888-4344 or 402-489-6411 (fax)

DL5
Dental laboratory management system
Macintosh Classic or larger; 40 MB hard disk drive; ImageWriter or LaserWriter.

DL5 is designed for the management of dental laboratories of any size. Its straightforward, intuitive layout can be customized to meet the needs of individual users. Case data need only be entered once to generate work tickets, schedules, invoices and statements. The system keeps precious metals inventory, prints quality evaluation forms, and includes many concise business reports. Doctor preferences, which can be entered for each dentist, appear automatically on the work tickets. Features include: work ticket displays shade information visually; and invoice graphically displays what work has been done on a particular case.
$2,495 U.S. retail
$4,995 U.S. retail; multiuser
Core Business Systems; PO Box 1374; Wolfville, NS, Canada B0P 1X0; 902-542-7777

dMax
Dental office management system
Macintosh Classic or larger; hard disk drive; ImageWriter II.

dMax is a comprehensive dental office management system. Three levels of practice management software are available and upgradeable for the needs of growing practices. dMax Bronze, for new or solo practices, has detailed patient records, walkout statements, insurance processing, recall management and production/collection spreadsheets. dMax Silver includes practice management features, such as word processing and treatment planning with insurance percentages. dMax Gold is a sophisticated practice manager with more than 200 management reports and merge capabilities for exporting information to other programs. dMax Gold comes in a multiuser version for use with Macintosh System 7 file sharing or AppleShare networks. dMax is a fully relational database in real time — no end-of-the-month processing is needed. The system comes with a full manual and easy tutorial.
$995 retail; dMax Bronze (single user)
$1,995 retail; dMax Silver (single user)
$2,995 to $4,995 retail; dMax Gold (single to multiuser)
Beal Systems Inc.; 23 Altarinda, #103; Orinda, CA 94563; 800-622-7796

Dynacath's Critical Care Patient Simulator
Provides "hands-on" experience in patient management
Macintosh computer with color display; 20 MB hard disk drive; Kurta input tablet.

The Dynacath's Critical Care Patient Simulator is designed for training and certification in the management of critical care patients and interpreting hemodynamic data. The Macintosh displays patient histories, progress notes, consultations, study options and results, and a cardiac monitor. Patient responses change based on the treatments selected. A torso apparatus that connects to the Macintosh is used to practice right heart catherization, with real-time simulation of rhythms and arterial and catheter pressures. Instructors may create their own library of informative cases, or make use of the many demonstration cases provided. Actual monitor strips may be incorporated into a case by tracing on a digitizing tablet. Color and System 7 are supported.
$3,985 retail
$2,985 retail; educational institutions
Dynacath Corp.; Meadowbrook Medical Bldg. W-110; 6490 Excelsior Blvd.; Minneapolis, MN 55426; 612-920-8773

■ Emergency Department Clinical Information System
Department-level information system
Macintosh Quadra 610 or larger; 8 MB of RAM; 160 MB hard disk drive.

Orca's ED/CIS is a comprehensive department-level information system designed to meet modern technology requirements for a state-of-the-art hospital emergency department. ED/CIS supports a wide range of functions for the ED and is capable of integrating with other hospital information systems, such as registration, order/entry, transcription and charge entry/billing. ED/CIS's unique graphic user interface makes it easy for staff to begin working immediately with a minimum of training. ED/CIS is a modular system, allowing users to mix and match the components to their particular needs.
$35,000 and up retail
Orca Medical Systems; 16398 NE 85th St., Ste. 100; Redmond, WA 98052; 206-885-9003 or 206-881-9625 (fax)

ExperDent
Dental and medical interpretation and analysis system
Macintosh Quadra 650 or larger; 20 MB of RAM; hard disk drive; System 7.1 or later.

ExperDent is a dental and medical interpretation and analysis system. Customization allows editing and changes to every answer of the medical and dental diagnostic questionnaire and analysis forms. The system links each symptom to each other and helps reach a solution from Chief complaint, pain scale, postural imbalances, radiographs, cervical disorders, mounted study casts, photographs, airway obstructions, physical exam, orofacial exam, medical history, psychological assessment, craniomandibular disorders and internal derangement. Other features include: helps summarize the analysis for reports and narration with merged CPT and ICDA medical codes and fees; integrates trigger points with cervical TMjoint range of motion and allows special tools for personal notes; interfaces injury, accident and legal documentation; automates insurance claims for treatment with preformatted supporting data; incorporates letter writing and spell checks; includes strategies for internal and external marketing, management and insurance processing; produces imagery of the teeth, face and posture and X-rays with special effect camera; automates psychosocial forms, impairment and disability ratings and points measurements; and improves differential diagnosis. ExperDent is a multisystem that expands into cosmetic imaging and electronic dental charting. It produces a profit by increasing income, saves time and is cost efficient.
$11,000 retail; ExperDent Module
$3,500 retail; Trigger Points Analyzer Module
$3,500 retail; Posture Analysis Module
$3,500 retail; ErgoIsocise Module
$5,000 retail; Electro-Instrupretation Module
$2,500 retail; ExperDent Remote Module
ExperDent; 98-1247 Kaahumanu St., Ste. 215; Aiea, HI 96701; 808-484-0234, 800-456-9493 or 808-484-0106 (fax)

The Family Doctor, 3rd Edition
Answers to the 2,000 most commonly asked health questions
Macintosh Plus or larger; 2 MB of free RAM; color requires color display with 32-bit QuickDraw; System 6.0.7 or later; CD-ROM drive.

The Family Doctor provides comprehensive and easy-to-understand medical information to assist in making decisions on a medical diagnosis and treatment, the use of prescription drugs and the basics of human anatomy. With answers to the 2,000 most commonly asked health questions and 300 illustrations, The Family Doctor addresses subjects related to disease, injury, illness, infection, accidents, general fitness and nutrition. It includes an animated first aid section for fast understanding of emergency procedures and an anatomy section with video explaining how the body systems work. Plus, a consumer guide to more than 1,600 prescription drugs outlines brand and trade names, dosages, side effects, possible interactions between specific drugs and warnings related to activity and food intake while taking medication. Health update booklets provide detailed information on a variety of common problems, as well as complete listings of local and national information resources for those who want to know more.
$79.99 retail
Creative Multimedia; 513 NW 13th Ave., Ste. 400; Portland, OR 97209; 503-241-4351, 800-854-9126 or 503-241-4370 (fax)

Family Practice Library
Review articles
Macintosh Plus or larger; 2 MB of RAM; color display requires 8-bit color, 32-bit QuickDraw and color monitor; System 6.0.5 or later; CD-ROM drive.

Family Practice Library includes four discs: The New England Journal of Medicine: 1991-1993, American Family Physician: 1986-1993, Pediatrics: 1986-1993 and 1993 Year Book Series: 1991-1993; or any four CMC medical titles of a user's choice. Other titles include Pediatric Infectious Disease Journal: 1985-1993 and Pediatric Review and Education Program (PREP): 1986-1993 with Red Book: 1991.
$995 retail
$395 retail; annual update
Creative Multimedia; 513 NW 13th Ave., Ste. 400; Portland, OR 97209; 503-241-4351, 800-854-9126 or 503-241-4370 (fax)

Front Office
Complete billing and claim management for all medical-related practices
Macintosh Plus or larger; hard disk drive.

Front Office is a practice management system designed to maintain the scheduling and billing operations of a medical office. Line item accounts receivable and claim management are backed up with extensive practice and financial analysis reports, a recall tickler module with custom letters, scheduling for multiple providers with time analysis and conflict reporting. Front Office supports multiple locations, multiple providers and revenue centers, inpatient and recurring billing, appointment billing, bar-code readers and more. It prints walkout superbills, Medicare, HCFA 1500 and HCFA 1450 (UB-82) and supports OCR and electronic claims. Financial data is exported in a variety of formats supporting most General Ledger accounting packages. Special configurations for optometric, nursing and inpatient and outpatient clinics are also available.
$2,895 retail; single user
$3,495 retail; multiuser (site licenses are available)
Dealer inquiries invited
Front Office Practice Management Systems; 3231 Cheshire Dr.; San Jose, CA 95118; 408-723-2264, 800-762-7149 (sales) or 408-978-6096 (fax)

Genetics Information System
Assists research and clinical geneticists
Macintosh Classic II or larger; 2 MB of RAM.

The Genetics Information System (GIS) provides easy database retrieval of patient history and saves physicians' valuable time when looking for cross-referencing data and matching family histories. It is designed specifically for clinical and research geneticists. Forty-nine basic screens document and catalog patient/family demographics and insurance information, prenatal/neonatal history, physical examination findings, laboratory studies findings and diagnosis, counseling and references. Forty-seven extensive tables of findings contain more than 1,450 physical conditions and abnormality descriptors. Additional descriptors can be added. GIS performs searches throughout the database, with every data element eligible. Other features include: built-in demonstration mode; data retrieval by viewing screens or a variety of reports; produces mailing labels; an extensive user's manual; comprehensive help screens; and two security

levels (one password to open GIS and second one to change data tables).
$1,700 retail
Adjuvare, Inc.; 1439 Great Neck Rd., Ste. 202L; Virginia Beach, VA 23454; 804-481-1975 or 804-481-1126 (fax)

Goal Eyecare Computer Software
Optometric and ophthalmic office management
Macintosh Classic or larger; 2 MB of RAM (4 MB with System 7); 40 MB hard disk drive; ImageWriter II, LaserWriter or HP DeskWriter.

Goal Eyecare Software is a modular system exclusively for the optometric or ophthalmic office. By Global Optics writing their own custom database, quick search and response time is very notable. The Starter Module provides complete patient information with automatic recalling, personalized communications, target marketing, label generation, mail merging and backup program. Additional modules are Accounts Receivable & 3rd Party Billing (1992 HCFA1500 forms), Patient Rx Records & Multiuser. Sixty sample letters are provided, such as recall letters, ASA, welcome, referral and more. Annual Software Service is included with any Goal software purchase. This includes software and documentation updates and unlimited 800 phone training and support. On-site training (9 to 18 hours) is offered anywhere in the continental U.S. and Canada for a fee. Global Optics offers free telephone consulting to any Goal user from their three specialized consulting doctors.
$1,995 to $3,490 retail; single user
$2,690 to $4,215 retail; multiuser
Global Optics, Inc.; PO Box 8008; Green Bay, WI 54308; 414-432-1502, 800-289-5367 or 414-432-5483 (fax)

Golden Claim HCFA 1500
Health insurance tracker
Macintosh Plus or larger; Claris FileMaker Pro 2.0; System 6.0.5 or later.

Golden Claim HCFA 1500 is an HCFA 1500 health care billing system. Golden Claim HCFA 1500 lets users input data fast and get their claim fast. It is an ideal form for small doctor daily use. It supports window users and multiusers.
$499 retail
Golden Byte; PO Box 160462; Cupertino, CA 95070; 408-865-1215, 800-959-6154 or 408-865-0436 (fax)

HealthLedger
General Ledger and Accounts Payable
Macintosh Plus or larger.

HealthLedger integrates a General Ledger with Accounts Payable for health care professionals. Users can enter payments, print checks and reconcile multiple bank accounts. HealthLedger keeps track of check numbers and automatically makes debit and credit adjustments. Three months can be open at a time, transactions can be modified until the month is closed and adjustments can easily be made to any month in the current year. HealthLedger also provides recurring entries. Financial reports include Balance Sheet, Trial Balance, Income Statement, Transactions Journals, General Ledger, aged Accounts Payable (with variable aging periods), prior year comparisons and more. Multiple reports can be printed with one command. Full import/export (including transactions) is built in, and HealthLedger imports data from MacHealth Series applications. HealthLedger prints directly on 1099 forms. HealthLedger can be customized for a variety of check and statement formats and printers. Payroll checks (including employer tax liabilities) created with CheckMark's Payroll program can be posted directly into HealthLedger.
$495 retail; a free demo disk is available
CheckMark Software, Inc.; 724 Whalers Way, Bldg. H; Fort Collins, CO 80525; 303-225-0522, 800-444-9922 or 303-225-0611 (fax)

Horse Vet
Large animal veterinary practice management system
Macintosh Plus or larger; hard disk drive.

Horse Vet is a veterinary practice management system. Features include: maintains health procedure history on each animal; produces an invoice per animal every nine seconds; keeps track of each vet's work in multiple vet practices; recalls all procedures to be done each day, week, month, etc.; user creates own procedure table, cost and recall time; creates and maintains records for liability cases; automatic billing for multiple ownership; automatic past due letter generation; and a full refund guarantee.
$1,500 retail
Dapple Computers; Rattlesnake Mountain; Union Mills, NC 28167; 704-287-8783

Hospital Unit Information System
Patient databases, care plan generators, hospital unit managers and nursing resource controllers
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; network capabilities if desired; laser printer; System 6.0.7 or later.

This multidisciplinary hospital unit information system handles all the computer and paperwork needs of an inpatient hospital unit or outpatient clinic. All of the forms users have designed for their unit and are currently using can be incorporated into this system: Intakes, reservations, admitting office forms, nursing assessments, graphics, Social Service assessments, Activities Therapy assessments, report sheets, rounds boards, staff assignments, problem-oriented progress notes, etc. All forms will print from a laser printer. This customized hospital unit information system can help a facility meet JCAHO, HCFA, Minimal Data Set and all other standards, regulations and requirements. On-screen prompts assist a healthcare team in collecting assessment data and writing better care plans based on approved NANDA nursing diagnoses. Standards of care can be modified to meet a facility's specific needs and individualized to each patient. This program assists a staff in addressing biophysical, psychosocial, environmental, self-care, educational and discharge planning needs of patients. The system can grow as needed. Studies show that admissions take less time while quality and accuracy of documentation is increased. When filling out forms, typing is minimized through an easy-to-use, point-and-click graphical interface.
$600 retail; includes basic package, needs assessment, free telephone support and a 30-day money-back guarantee
MacNursing Software; 165 Outrigger Dr.; Vallejo, CA 94591; 415-281-5883

Hyper-EDDI
Medical information database
Macintosh Quadra 610 or larger; 8 MB of RAM; 160 MB hard disk drive; 13-inch monochrome monitor; Ethernet card.

Hyper-EDDI is an easy-to-use, computerized ED discharge instructions system. Its textural database of patient instructions is rich and comprehensive. Hyper-EDDI's unique graphical user interface makes it easy for staff to begin working immediately with a minimum of training. Discharge instructions are easily editable. Hyper-EDDI is the core for a large variety of linked modules that can greatly enhance the power of an ED computer system. Modules are easy to add and integrate completely. By mixing and matching modules, users can build an Emergency Department Clinical Information System (ED/CIS) that is customized to individual needs.
$2,500 and up retail; Hyper-EDDI Level I
$7,500 and up retail; Hyper-EDDI Level II
$1,000 and up retail; Daily Log module
$1,500 and up retail; Dictation module
$10,000 retail; Facility Charge module
$1,500 and up retail; FAX module
$10,000 and up retail; History & Physical module
$1,500 and up retail; Managed Care module
$6,500 retail; MD Charge Entry module
$2,000 retail; Patient Registration module
$2,500 and up retail; Quality Assurance module
$1,750 and up retail; Special Care module
$2,000 and up retail; Tracking module
$2,000 and up retail; Triage module
$4,750 retail; Utilization Management module
Orca Medical Systems; 16398 NE 85th St., Ste. 100; Redmond, WA 98052; 206-885-9003 or 206-881-9625 (fax)

Iliad 4.2
Computer-based diagnostic and treatment tools for internal medicine and family practice
Macintosh with 6 MB of RAM and 68030 processor or larger; math coprocessor strongly recommended; 20 MB available hard disk space.

Iliad software allows users to use Iliad as an expert decision support tool in consultative, critiquing, browsing and simulation modes. In the consultation mode, Iliad helps users workup actual patients on whom they have collected data, as well as provides them with access to the medical logic behind the decision-making process. In Iliad's critique mode, users begin with an initial diagnosis or hypothesis and Iliad will prompt them for the specific data needed to either confirm or rule-out the hypothesis. Iliad will often suggest alternative diagnoses. In the browsing mode, users may explore Iliad's knowledge base and literature. Iliad also provides users with a simulator mode where a wide variety of cases are presented and users are challenged to uncover the diagnosis. The simulator provides scored feedback on both the user's diagnostic and workup efficiency skills and gives users an opportunity to deal with many cases that they might only seldom encounter in practice. New features include treatment frames for each diagnosis. Iliad's knowledge base covers more than 2,400 diseases/syndromes.
$995 retail; Physician single-user fee
$195 retail; Medical Student/Resident single-user fee
Applied Medical Informatics; 2681 Parleys Way, Ste. 101; Salt Lake City, UT 84109; 801-464-6200, 800-441-0154 or 801-464-6201 (fax)

Joey Software For Dental Office Management 7.0
Dental office management
Macintosh SE or larger; 2 MB of RAM; hard disk drive; PostScript LaserWriter.

Joey Software For Dental Office Management brings big-system features to any size office. One-time entry of charges, payments and adjustments will generate more than 80 standard reports and practice analysis profiles (an unlimited number of reports can be obtained by using the ad hoc report generator). The program automatically tracks treatment, referrals, insurance and recall. It handles multiple interest options, fee schedules and treatment plans. There are complete audit trails and data verification for all files and system totals. Responsible party billing allows a user to connect a patient file to more than one account for accurate accounting of capitation and government assistance programs. It is able to track forms and assign payment responsibility on the basis of carrier type. Submitted claims are tracked and aged by date, patient and carrier. Electronic claim submission, word processing and on screen appointment scheduling are included at no extra cost and the first year of toll-free support is free.
$3,995 retail
$500 retail; each workstation
Joey Software, Inc.; 4954 Lincoln Dr.; Edina, MN 55436; 612-926-0238

Joey Version 7 Canadian Version
Dental office management
Macintosh LC III or larger (offices that use scheduling require Macintosh Centris or larger); 8 MB of RAM; 80 MB hard disk drive; LaserWriter.

Joey automates daily tasks, ages account balances, generates concise business reports and is CDAnet certified. Joey not only tracks recalls but will display every phone number associated with each account and, with a click of the mouse, will dial the telephone. A built-in word processor with mail-merge capability allows users to print correspondence without having to use any other software. Joey's fully integrated scheduler provides automated scheduling that genuinely rivals "The Book." It allows different time units for different operatories, tracks provider time and cuts-and-pastes changed appointments quickly and easily. Joey is fully Canadian.
Call for pricing
Core Business Systems; PO Box 1374; Wolfville, NS, Canada B0P 1X0; 902-542-7777

Knowledge Finder For Medline And Cancerlit
Searches the National Library of Medicine's (NLM) Medline and Cancerlit databases (distributed on CD-ROM optical disc), specialty databases for pathology, radiology, cardiology, orthopedics, surgery/anesthesia, obstetrics/gynecology, pediatrics, neurology and ophthalmology
Macintosh Plus or larger; external disk drive or hard disk drive; Apple, Toshiba or compatible CD-ROM drive; ImageWriter or LaserWriter.

These Products Available Through Bottom Line Distribution
1-800-347-1923

The Knowledge Finder searches the National Library of Medicine's (NLM) Medline and Cancerlit databases using a sophisticated, end-user bibliographic retrieval system. Searches can be constructed using sentence-style, natural language input and search results are ranked by likelihood of relevance. The Medical Subject Heading (MeSH) thesaurus provides a hypertext tool for identifying medical terminology useful in searching. A single Knowledge Finder CD-ROM disc contains up to 300,000 fully indexed citations, many with abstracts. The citations reflect articles published in approximately 3,400 international biomedical journals. Databases are available for both clinical and academic/research use, with up to 10 years of citation data on a single disk. Specialty discs are available for pathology, radiology, cardiology, orthopedics, surgery/anesthesia and obstetrics/gynecology. It is also available for PCs and compatibles.
$395 to $5,595 retail; annual subscription (network license and software are also available)
Aries Systems Corp.; 200 Sutton St.; North Andover, MA 01845; 508-975-7570 or 508-975-3811 (fax)

Knowledge Server For Medline And Cancerlit
Biomedical literature search system for network access
Macintosh Plus or larger; AppleShare 2.0.1.

Medline is a database of citations to the biomedical literature and is maintained by the National Library of Medicine, U.S. Department of Health and Human Services. The complete database contains citations to approximately 3,700 medical journals. Portions of the database are selectively extracted for publication on CD-ROM by Aries Systems. Knowledge Server uses Aries' Knowledge Finder software to provide access to the Medline CD-ROM databases across local-area networks. In addition to using the AppleShare network manager, Knowledge Server uses the AppleCD SC or compatible CD-ROM player. It is also available for PCs and compatibles.
$2,795 to $5,495 retail; annual subscription
Aries Systems Corp.; 200 Sutton St.; North Andover, MA 01845; 508-975-7570 or 508-975-3811 (fax)

■ **Lab Test Stack**
Lab test standards
Macintosh Plus or larger; 2 MB of RAM; HyperCard 2.0 or later; System 6.0.7 or later; hard disk drive.

Lab Test Stack is designed for nurses, nurse managers, nursing educators and nursing students. Lab Test Stack contains standard adult values and nursing implications of more than 50 laboratory tests in the easy-to-use HyperCard format.
$30 retail
MacNursing Software; 165 Outrigger Dr.; Vallejo, CA 94591; 415-281-5883

Lung Cancer Staging: A Tutorial
Lung cancer staging tutorials
Macintosh Plus or larger.

Lung Cancer Staging: A Tutorial is designed for radiologists, chest physicians, surgeons and oncologists concerned with the diagnosis or treatment of lung cancer. It provides a visual introduction to the International TNM classification for Staging Lung Cancer and the American Thoracic Society's Lymph Node classification. It is ideal for trainees in these fields, as well as for practitioners who have not yet learned these important classifications in detail or wish to review these important concepts. The program is divided into three major parts: Tutorials, Quizzes and Management.
$50 retail; single user
$150 retail; educational site license
Chariot Software Group; 3659 India St., Ste. 100; San Diego, CA 92103; 619-298-0202, 800-242-7468 or 619-491-0021 (fax)

M.E.D. Billing
Medical practice billing and accounting system
Macintosh Classic or larger; 4 MB of RAM; System 6.0 or later.

M.E.D. Billing is a comprehensive medical practice billing and accounting system designed for outpatient and clinical use. Designed to accommodate both single and multiuser access, M.E.D. Billing also integrates with M.E.D. Patient for the transfer of patient data into medical records. M.E.D. Billing can also function fully as a stand-alone billing system. Based on the Family billing concept, M.E.D. Billing provides for multiple primary, secondary and tertiary guarantors, multiple schedules of fees, HCFA form printing, as well as standard practice bills and open-item accounting. Automatic bulk receipting with pay-in slip preparation and user flexible reporting are provided, along with ICD and CPT codes.
$2,850 retail; single and multiuser versions are available
JAM Software USA; PO Box 4036; Meriden, CT 06450; 203-630-0055, 203-686-1900 (fax), Int. + 612-550-0884 (Australia) or 612-564-3353 (fax)

Mac Psych Billing Version 2
Automates billing process
Macintosh Plus or larger; FileMaker Pro 2.0.

Mac Psych Billing is a FileMaker Pro 2.0 application that automates the billing process for psychiatrists, psychologists and psychiatric social workers who are in private practice. The program automatically looks up DSM-IIIR diagnoses, CPT-4 procedures and includes the new HCFA 1500 form for quick processing. Various monthly, daily and aged reports can be printed using customized scripts. The program is flexible enough to be used for weekly or monthly billing cycles. The program now includes the ability to store clinical notes, an appointment file and a General Ledger to post daily transactions. Mac Psych Billing has been updated to take advantage of the new feature set found in FileMaker Pro 2.0.
$295 retail
B.H.C. Publishing; 174 Stephensburg Rd.; Port Murray, NJ 07865; 800-769-6689

MacMed
Medical office management
Macintosh Plus or larger; hard disk drive; ImageWriter, LaserWriter or StyleWriter.

MacMed is a medical office management program designed for practices with one to 12 physicians. Features include: patients, procedure codes, diagnostic codes and insurance information limited only by hard disk size; diagnosis tracking on patients; multiple insurance carriers for each patient; user-defined codes for procedures and diagnoses; prints most standard health insurance claims forms; electronic submission of claims (depending on location); automated printing of monthly bills; accounts receivable and aging accounts; appointment scheduling with double booking; patient recalls and chart checks; mail merge capability with Microsoft Word; and more.
$2,250 retail; single user
$3,450 retail; multiuser up to three stations ($250 per station over three)
$400 retail; electronic billing (in some locations)
NewHouse Medical Systems; 50 S. 18th St.; Easton, PA 18042; 610-252-0548, 800-323-3002 or 610-559-7677 (fax)

MacNurse
Admission/plan of care system for nursing homes
Macintosh 512K or larger; external disk drive or hard disk drive; Multiuser Omnis 3 Plus (if multiuser system).

MacNurse is an admissions and plan of care system for nursing homes that is designed to make efficient use of the data input by a facility's office staff, as well as accommodate personnel data management. Users can enter physicians' orders and notes and can update or chart the progress of these. The system will write standard orders automatically and contains an option to change the orders at any time. The package includes customization and training of two office personnel.
$500 retail; single user with run time
$1,500 retail; multiuser
H&D Leasing; PO Box 1137; Clovis, NM 88101; 505-762-4139 or 505-769-3711 (fax)

MacOn-Call
Modifiable medical diagnostic expert system
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.

MacOn-Call is a diagnostics tool for health care providers. The software is an open expert system with data format for medical practitioners. It relates findings, links information for rapid, yet comprehensive analysis and represents symptoms, signs and studies for diagnoses. Probability adjustments rank and refine the differential to fit observations. The program quickly and dynamically integrates knowledge into relational structures that assist clinical assessment. Automatic report generation combines case notes with the evaluation and portrays causal reasoning. Every aspect of the knowledge base is modifiable to customize the application for specialty needs or courseware. Though not intended to supplant sound judgment, it is a great review and teaching tool that sharpens history taking and physical examination skills for cost effective work-up.
$395 retail
IatroCom; 7550 Folsom-Auburn Rd., #1416; Folsom, CA 95630; 916-599-9118

MacRepertory
Integrated medical program for homeopathic practitioners
Macintosh Classic through Quadra; 2 MB of RAM (4 MB with System 7 recommended); 7 MB hard disk space.

MacRepertory is an integrated medical program for homeopathic practitioners that allows a user to quickly collect and analyze dozens of symptoms, check the built-in Materia Medica to confirm and evaluate the most likely remedies and then save the case for research or to share with a colleague. In its deductive mode, the program analyzes the symptoms as they are entered and suggests questions to confirm the likely remedies.
$1,799 retail
Kent Homeopathic Associates; PO Box 39; Fairfax, CA 94978; 415-457-0678 or 415-457-0688 (fax)

MacSurgery CD-ROM, Series I, "Laparoscopic Cholecystectomy"
Multimedia program designed to bring this surgical procedure from the operating room to the office
Macintosh II or larger; 5 MB of RAM; hard disk drive; 13-inch color monitor; QuickTime 1.5 or later; HyperCard 2.0 or later; System 7.0 or later; CD-ROM drive.

MacSurgery CD-ROM, Series I, "Laparoscopic Cholecystectomy" is a multimedia program designed to bring this surgical procedure from the operating room to the office. A surgeon could review anatomy, instrumentation, complications and obtain a complete overview of gall bladder disease and the surgical procedure. Many video clips are available to illustrate the text. These can be individually controlled and can be shown frame by frame. One of the chapters is devoted to information designed for the patient. He or she could sit down with this chapter on the screen and obtain a complete overview of gall bladder disease and the surgical procedure. There is extensive documentation and discussion of such subjects as laser physics and the potential complications of laparoscopy. These, plus an extensive bibliography, can be printed to provide hard copies. There are about 500 MB of files on the CD-ROM.
$199 per volume retail
MacMedic Publications, Inc.; 5177 Richmond, Ste. 1040; Houston, TX 77056; 713-960-1858, 800-477-0717 or 713-621-2408 (fax)

Med-Manager
Medical management
Macintosh SE/30 or II family; System 6.0.4 or later.

Using the Med-Manager database software, users create patient information files, CPT codes and charge files. With these, it is simple to create all of the forms needed for a practice, including invoices, statements, appointment reminders, health insurance claim forms and others. Most of the data from the database files can be imported into the accounting software using customized templates. This feature eliminates many hours of data entry into Accounts Receivable, Accounts Payable and General Ledger. Customization of the accounting software is available. An optional communications module is offered, which permits a physician to electronically transmit the health insurance claim forms. This proprietary module converts the database files to meet the specific protocol requirements for transmission directly to the insurer.
$2,500 retail
$5 retail; demo
Computer Learning System, Inc.; 6001 First Ave. N; Birmingham, AL 35212; 205-592-4900 or 205-592-0611 (fax)

Medformation 3.1
Physicians' office management system
Macintosh with 5 MB of RAM; 80 MB hard disk drive.

Medformation, based on the 4th Dimension client-server environment, is an accounts receivable management package for use in physicians' offices. It emphasizes medical communications, including electronic filing, while also handling insurance claim form preparation, billing and collections, procedure analyses, aged account analyses and HMO analyses. The system supports multiple sites, multiple patients per account and multiple fee schedules, making it at home in private, HMO or PPO settings. A standard insurance form may be generated at the time of each patient visit. Claims may be refiled automatically. Integrated word processor, appointment scheduler and spreadsheet are optional. Medformation is compatible with 4th Dimension-based general ledger, payroll and other general business packages from other vendors.
$3,995 retail; single user (site licenses are available)
Medformatics Inc.; 1306 Ft. Bragg Rd.; Fayetteville, NC 28305; 910-323-1748, 800-745-1767 or 910-323-1534 (fax)

Medformation TheCoder
Helps determine the proper evaluation and management procedure code
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.

Medformation has created a program that will allow physicians and their staff to easily communicate the complex analyses now required to determine the proper evaluation and management procedure code. These are the codes that are needed to determine the level of compensation received from third-party carriers. With the simple checklist provided on the fee slip, the provider indicates the proper level of History, Examination and Complexity. The fee slip is then attached to the chart and the staff, using TheCoder, hit matching buttons on the screen and the proper code is supplied. TheCoder provides the logic and precision that is being looked for by third-party auditors. The use of TheCoder will be invaluable and may allow the provider to reconstruct the logic used in determining a code in case of an audit.
$195 retail; single user
Medformatics Inc.; 1306 Ft. Bragg Rd.; Fayetteville, NC 28305; 910-323-1748, 800-745-1767 or 910-323-1534 (fax)

Medical Electronic Desktop (M.E.D.)
Medical record and diagnostic support system
Macintosh Plus or larger, including PowerBook; 1 MB of RAM.

The Medical Electronic Desktop (M.E.D.) has been designed for the medical practice or primary health care provider. In essence, M.E.D. is a fully functional medical record (charting) system with a decision support facility to allow symptoms to be checked against a disease/illness knowledge base to provide diagnostic support. M.E.D. includes drug/drug and drug/pathology checking, has full graphics and a standard file of checklists and protocols that can be modified to suit specialized requirements. The Knowledge Bases and form letters can also be customized, and M.E.D. provides a simple structure for the extraction of research data from the database. The M.E.D. system is a comprehensive desktop instrument for the health care professional, providing reference material, medical records, drug data, checklists, anatomically correct graphics and integrated word processing facilities.
$3,000 retail; base price
$350 retail; Author Kit
JAM Software USA; PO Box 4036; Meriden, CT 06450; 203-630-0055, 203-686-1900 (fax), Int. + 612-550-0884 (Australia) or 612-564-3353 (fax)

Medical InfoManager
Medical practice management software
Macintosh LC III or larger; 8 MB of RAM; 80 MB hard disk drive; ImageWriter II or LaserWriter.

The Medical InfoManager is a complete practice management system designed to help medical practices with their administration, marketing and patient health care management. It is a flexible, modular software product containing a fully relational database that is designed to allow quick and easy access to practice information. It makes full use of the Macintosh's ease of use and intuitive approach. The software supports patient accounts receivable management, insurance processing, statement billing, recall management and follow-up tracking. Other functions include referral tracking, patient profiling, marketing analysis, treatment planning and all payor electronic claims. The software also has an integrated word processor that can produce form letters with merged data from the patient database and provide quick letter writing from anywhere in the software. A complete set of financial, management and marketing reports are easily printed and a flexible report generator lets users design custom reports. The software supports both single-user and networked, multiuser configurations and offers full LaserWriter support.
$1,499 to $8,999 retail; depending on modules purchased
Affinity Software Corp.; 1600 Boston-Providence Hwy.; Walpole, MA 02081; 508-668-7800 or 800-437-4307

Medical Master — The Doctor's Workstation
Medical office and clinical patient management
Macintosh LC or larger; 80 MB hard disk drive; 12-inch monochrome monitor; laser printer.

Medical Master is a complete computer environment for medical practice. Clinical functions, such as prescription writing, lab requisition generation and referral letters are all built in, as is an integrated word processor, which draws upon the patient's clinical and administrative data for fully automated correspondence, and to build electronic chart with minimal transcription. Scheduling for one or more physicians with a sophisticated Find function actually eliminates the appointment book. Flexible billing, receivables management and comprehensive financial reports are included. Medical Master features complete and easy analysis of clinical data, with detail available to the level of an age-sex distribution of patients with hypertension taking beta blockers. All searches can be mail merged to support clinical analysis of practice marketing activities.
$4,975 retail; software license for one workstation, manuals and six months of technical support
$9,950 retail; minimum network license with six months of technical support
RTJ Corp.; 275 Wyman St., Ste. 210; Waltham, MA 02154; 617-890-8950 or 617-890-8960 (fax)

MediMac
Medical office management
Macintosh SE/30 or larger; 5 MB of RAM; hard disk drive.

MediMac is a completely integrated medical office management system that can be used in a single or multiuser environment. This automation system is easily upgradeable and is designed to grow with a user's practice. The new MediMac LE handles account transactions, billing statements, reports, letter processing, insurance processing and statement generation. MediMac SE offers all this, plus a multiple-user configuration, an integrated word processor, a narrative generator, a prescription writer, a flow sheet generator, system utilities and optional modules for scheduling and electronic insurance claims transmission. MediMac F/X offers scheduling and electronic insurance claims transmission as standard features and includes additional electronic clinical tools, such as voice annotation and digital photos and videos. MediMac utilizes Apple's Data Stream Protocol for fast, efficient operation over either a LocalTalk or EtherTalk network.
$2,495 to $7,495 retail; MediMac LE to MediMac F/X
HealthCare Communications, Inc.; 300 S. 68th, Ste. 100; Lincoln, NE 68510; 402-489-0391, 800-888-4344 or 402-489-6411 (fax)

Medisoft
Patient simulators
Macintosh 512KE or larger.

Medisoft Cardio-Baby and Respi-Baby are flight simulator-like patient simulations that require user intervention to diagnose and treat a variety of dynamic clinical conditions. Scoring that is built into Medisoft simulations evaluates a user's performance after each patient case. An explanation of score offers individual feedback. Medisoft simulations have an advantage of offering scoring capabilities to users. And, because the programs work in an accelerated time frame, it gives a real life sense of urgency to the patient's treatment.
$295 retail; Cardio-Baby
$295 to $595 retail; Respi-Baby (Newport, Sechrist or Siemens)
Newport Medical Instruments, Inc.; 300 N. Newport Blvd.; Newport Beach, CA 92663; 714-642-3910 or 800-451-3111

MedQuest
Medical office automation and management
Macintosh II family, Quadra, Performa, Power Macintosh or workgroup server; hard disk drive; ImageWriter II, LQ or LaserWriter.

MedQuest is a medical office management system for a single or multiphysician office. The program handles the traditional medical office tasks of patient billing, insurance form preparation, daily reconciliation, appointments and electronic claims submission, as well as helps a user manage IPA patients and referral pool usage. MedQuest tracks all charges, receipts, billings, discounts, adjustments, capitation and expenses by doctor, carrier and procedure. The program provides unlimited patient problem list management and procedure tracking with recall for patients needing periodic procedures. It allows a user to list all patients with certain diagnoses, those needing specific procedures, those on any medication or combination of the above. The data file includes all 15,000 ICDM-9 diagnosis codes. Selected patients can also be sent a letter from the MedQuest letter file, which is user created and maintained. If the optional Omnis Program Language is purchased, MedQuest becomes an open library that a user can change as needed. Program alterations may also be made by the company.
$3,995 retail; single user
$155 retail; each additional user
Call for pricing; Omnis Program Language (optional; required to use Program Source Code)
$15 retail; full-featured demo
The Program Workshop, Inc.; 301 Health Park Blvd., Ste. 328; St. Augustine, FL 32086; 904-829-6500

MedVision
Medical visualization software package
Macintosh LC or larger.

The MedVision Modality Pak offers a modular medical visualization environment designed specifically for medical researchers. Users can view, measure, analyze and comprehend scanned diagnostic images using a powerful set of imaging tools. These include image processing functions, image measurements, pseudo-color enhancement, region of interest creation and propagation and many others. Users can directly access MR, CT, nuclear and other medical data; and maintain full data integrity of images by using the complete 16-bit data set created by medical scanning devices. Capabilities can continue to be enhanced with the addition of new modules. These modules can offer improvements to the existing capabilities or provide users with entirely new functionality. Evergreen will offer new MedVision Paks that will address other application areas, as well as upgrades to the modules in the Modality Pak. Evergreen also offers a Developer Toolkit to assist and encourage other software developers to create their own modules.
$895 retail
Evergreen Technologies, Inc.; Main St., PO Box 795; Castine, ME 04421; 207-326-8300 or 207-326-8333 (fax)

MedVision Nuclear Option Pak
Allows users to expand the capabilities of the MedVision Modality Pak with features for viewing and interpreting nuclear images
Macintosh LC or larger.

The MedVision Nuclear Option Pak allows users to easily expand the capabilities of the MedVision Modality Pak with new features for viewing and interpreting nuclear images. Users can animate a dynamic series, quickly step through a 3D study or select an appropriate color palette to emphasize critical data. It is designed to work in conjunction with the MedVision Modality Pak and uses QuickTime technology. The additional modules offer the ability to do single slice ciné animation, display QuickTime movies within MedVision, multiple slice snake ciné animation and control the image color palette. Slice cinés can be moved to other applications, or QuickTime animations

These Products Available Through Bottom Line Distribution
1-800-347-1923

from other sources may be viewed from within MedVision. The palette module provides greater flexibility in selecting image color palettes.
$595 retail
$395 retail; slice ciné capability alone
Evergreen Technologies, Inc.; Main St., PO Box 795; Castine, ME 04421; 207-326-8300 or 207-326-8333 (fax)

MedVision Viewer
Medical image viewing
Macintosh LC or larger; 8 MB of RAM.
The MedVision Viewer was designed to meet the unique image viewing requirements of the clinician. The emphasis is on flexible, easy-to-use viewing capabilities for a wide variety of medical images. Users can view and manipulate CT, MR, PET, SPECT and other medical images on their Macintosh computers. By directly accessing the complete 16-bit data generated by medical scanning devices, images can be manipulated using true Window and Level functions, magnification and pseudo-color enhancements. Users select from four versatile display modes: Proxy view, Single view, Multi view and Ciné view. They can quickly move between the display modes to allow for optimal interpretation of a dataset. Images from multiple modalities, as well as from multiple medical scanner vendors, can be viewed simultaneously to facilitate quick and accurate diagnosis from a single viewing station.
$695 retail
Evergreen Technologies, Inc.; Main St., PO Box 795; Castine, ME 04421; 207-326-8300 or 207-326-8333 (fax)

Model 310 Digital Impedance System
Multiple frequency tympanometry and acoustic reflex testing
Macintosh Classic or larger.
The Model 310 Digital Impedance System, designed for the hearing health care market, provides single and multiple frequency tympanometry; advanced acoustic reflex testing, including adaptation; eustachian tube functions; and more. It also provides a Start on Seal feature that significantly reduces re-tests arising from lost seals. The Model 310 provides all test data in a format that clearly distinguishes a user's professional diagnoses: easy-to-interpret, high-resolution waveforms and digital test data on 8.5 by 11-inch printouts; phase and magnitude measurements; tympanogram and acoustic reflex averaging; latency calculations; gradient calculations; susceptance and conductance plots; and more.
$5,295 retail; Model 310 only
$6,875 retail; with Quadra 605 8/160 and StyleWriter II
Virtual Corp.; 521 SW 11th, #400; Portland, OR 97205; 503-226-3000 or 503-228-2666 (fax)

Model 322 Clinical Audiometer
Two-channel clinical audiometer
Macintosh Classic or larger.
The Model 322 is a two-channel audiometer with internal power amplifiers and high-frequency testing capability. It uses two digital waveform generators (DWGs), each of which can produce either pure tone or masking signals. Accuracy of intensity levels is maintained by internal self-calibration circuitry. Control of the Model 322 is via a Macintosh. The computer performs calculations and records test results while testing is in progress. Patient records can be stored on disk or printed as test reports. Stimulus and masking signal may be selected for either or both channels from the two DWGs or from the following external sources: microphone; tape inputs (A and B); or auxiliary inputs (A and B). Output to the patient is via earphones, bone vibrator, insert phone or sound field speakers.
$5,095 retail; Model 322 only
Virtual Corp.; 521 SW 11th, #400; Portland, OR 97205; 503-226-3000 or 503-228-2666 (fax)

Model 330
Otoacoustic emissions test instrument
Macintosh Color Classic, LC III, II or Quadra family.
The Model 330 is an otoacoustic omissions test instrument that utilizes Distortion Product Otoacoustic Emissions (DPOAEs) to perform these tests. Using any of the Macintosh II, LC III or Quadra family of computers or Color Classic as its operating platform, it is capable of measuring DPOAEs in the form of an audiogram. It incorporates the user-friendly interface of the Macintosh with the already-established reporting capabilities of other Virtual instrumentation, enabling an audiologist to run a complete clinic or laboratory from one Macintosh control station.
$9,000 retail
Virtual Corp.; 521 SW 11th, #400; Portland, OR 97205; 503-226-3000 or 503-228-2666 (fax)

Model 340 Probe-Microphone Instrument
Everything needed to characterize and fit hearing aids, print test results, etc.
Macintosh Classic or larger.
The Model 340 Probe-Microphone Instrument integrates everything needed to characterize and fit hearing aids, print test results and store data for future use, all in one convenient and simple-to-use system. The Model 340 computer screen displays a complete and immediate picture of all the information necessary for hearing aid adjustment within a patient's ear. It provides immediate, real-time waveform updates based on Fast Fourier Transform calculations. Other features include: storage of measurements on hard disk or floppy disk for later retrieval and analysis; an ANSI test-box option, which allows complete analysis of the electroacoustic characteristics of the hearing aid; a probe-microphone test that uses a reference microphone to ensure an accurate presentation in SPL of the pure tone or composite signal; and hard copy output.
$10,995 retail
Virtual Corp.; 521 SW 11th, #400; Portland, OR 97205; 503-226-3000 or 503-228-2666 (fax)

MultiVet Management System
Veterinarian practice management system for large or small animal practices
Macintosh LC or larger; 4 MB of RAM; 40 MB hard disk drive; ImageWriter II; backup system is recommended.
The MultiVet Management System is a complete, integrated multiuser veterinarian practice management system. It manages client and patient records, recalls, treatment history, accounts receivable and payable, invoicing, scheduling, prescription and chart labeling, inventory control and purchase management. Options include an interactive formulary, an internal word processing/mail merge module, appointment scheduling and boarding management. Flexible invoicing allows client-level discounts, line-item discounts and total invoice discounts, with multiple doctors and patients per invoice. Invoicing automatically generates rabies certificates and prescription labels, then updates inventory status, recalls, treatment history and accounts receivable data. End of Period processing generates day sheets, deposit slips and provides distribution of income by doctor, treatment, inventory item and species. Inventory items are linked to treatments, and the inventory control system automatically generates detailed reordering lists and purchase orders per vendor. The purchasing management system tracks the status of multiple orders, updates inventory levels when shipments are received and prints checks in batch per vendor. This system keeps historical data for analysis and provides more than 50 different reports. The system is available in three levels, and each level has a single or multiuser version.
$495 to $3,995 retail; priced per functional level and per module
SoftQuest, Inc.; 8711 Burnet Rd., Ste. F68; Austin, TX 78758; 512-452-4500, 800-299-9991 or 512-452-2378 (fax)

MyVoice
For use with non-verbal patients; provides a verbal link to the world around them
Macintosh 512KE or larger.
MyVoice was designed to help the patient who will be intubated for a long time or has other speech difficulties. Using MacinTalk speech synthesis capability, MyVoice actually speaks for the patient. The Mac is mounted on a stand and brought to the patient's bedside. MyVoice provides eight screens of messages, each covering a wide range of topics relevant to ICU patients. The patient simply points to a message on the screen with the mouse or joystick and the Mac says it. If none of the messages are relevant, the patient can spell out his/her own message.
$250 retail
Newport Medical Instruments, Inc.; 300 N. Newport Blvd.; Newport Beach, CA 92663; 714-642-3910 or 800-451-3111

The New England Journal Of Medicine
Contains the New England Journal of Medicine (1991-1993)
Macintosh Plus or larger; 2 MB of RAM; color display requires 8-bit color, 32-bit QuickDraw and color monitor; System 6.0.5 or later; CD-ROM drive.
The "Journal," first established in 1812, is the oldest continuously published medical journal in the world. NEJM publishes the most important, previously unpublished, research results, and is now available with complete text and images. In addition, the special articles and opinion pieces express original viewpoints and ideas. The most important criteria determining the acceptance of articles for publication are originality, scientific soundness and interest to both practitioners and researchers. Because NEJM is a weekly publication, the disc will be updated every six months.
$295 retail
$395 retail; institutional
$200; annual update (two six-month updates)
$150 retail; semi-annual update (first six-month update)
$50 retail; semi-annual update (second six-month update)
Creative Multimedia; 513 NW 13th Ave., Ste. 400; Portland, OR 97209; 503-241-4351, 800-854-9126 or 503-241-4370 (fax)

Nurse's Aide 2.0
School management software for nurses
Macintosh Classic II or larger; 2 MB of RAM (4 MB with System 7.0); hard disk drive; System 6.0.5 or later.
Nurse's Aide is a comprehensive and easy-to-use solution to the total data input, processing and report needs of the school nurse. This comprehensive set of HyperCard stacks allow nurses to keep accurate records and reports in the three following areas: Student Records Information (demographics; school data; immunization records; screening results; custom fields; plotting height and weight growth statistics; label printing); Daily Log Information (SOAP [Subjective, Objective, Assessment, Plan] Charting; primary and secondary nursing codes; automatic student information entry and look-up list); automatic immunization compliancy checking; and Supervisory Tasks and Information Printout (merge letter printing; analysis of daily log by teacher, hour, grade, type of visit; charting of data; standard and custom reports; count items; exporting/importing of data; grade promotion; student health history report). Nurse's Aide accepts ASCII text file, student records data from Macintosh, DOS and Apple II computer.
$400 suggested retail
Community Learning Center; PO Box 941; Anderson, CA 96007; 916-365-4961

The Nutrition Stack V2.1
Allows users to monitor their diets and evaluate their nutritional habits; contains data for more than 2,700 foods
Macintosh Plus or larger; HyperCard 1.2 or 2.0.
Nutrition automatically calculates a user's daily totals of proteins, carbohydrates, fats, fiber, cholesterol, sodium, eight vitamins and seven minerals. It features data for more than 2,700 foods from the latest release of the USDA Handbook 8 database; data for types of fat (saturated, monounsaturated and polyunsaturated); data for 18 amino acids and the percentage of RDA of the essential amino acids; Food Exchange Group calculator for use by diabetics; report writing capabilities; and more.
$79 retail; POs accepted and site licenses available
$15 retail; upgrades from earlier versions
$109 retail; Nutrition Stack and Recipe Master bundle
Big Byte Software; 1814 Rosemount Ave.; Claremont, CA 91711; 909-626-3219

Omni-Med
Medical management
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; ImageWriter or LaserWriter; Omnis 7.
Omni-Med is a medical-management system that contains a large office database for keeping track of patients, charges, payments, insurance companies, appointments and will also generate physician produc-

tivity reports and bills. The program handles as many doctors, patients, insurance companies, charges and payments as the user's disk will allow. It keeps all the practitioners separate on a single system, making cost sharing a possibility. Paid out accounts can be removed, making room for new ones. It will allow a user to choose overdue patient and insurance accounts for timely billing. Practice management categories are subdivided into functional groups. Users can produce patient correspondence and can track patients by appointment dates, two different medications or treatments. The program will also print insurance and patient mailing labels and will generate informative practice reports. An electronic claims option is available.
$3,495 retail; single user
$4,495 and up; multiuser (up to 5 users)
$10 retail; limited working demo
$1,000 retail; Electronic Claims Option
Synapse Software; 110 Medical Circle Dr.; Rockingham, NC 28379; 919-895-6302

Optometric Plus 5.0
Optometric office management program
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; ImageWriter.

Optometric Plus is a complete optometric office management system. Guarantor file/records maintain information on family members, transactions, last exam dates, recall dates and reasons. Patient file/records include automatic display of guarantor information, including balance and credit status. Patient charts are accessible from patient records. The program tracks insurance company information and submitted claims. Fee schedules provide for flexibility, and each CPT code may be entered under multiple fee schedules. Accounts receivable provides for invoicing, statements, account aging and audit trails. More than 80 different reports are included. Other features of the program include: nine levels of password protection, a full office management system, preprinted three-part invoice and two-part statement forms and operator entry codes that provide further audit trails.
$2,995 retail; single user
$3,995 retail; multiuser
Skyline Solutions; 8695 Glenburney Ct.; Cincinnati, OH 45236; 513-745-0258 or 800-653-3517

ORCHIDS From CapMed
Clinical patient records program
Macintosh II family; 8 MB of RAM; hard disk drive; 4th Dimension; printer.

CapMed (Computer Assisted Practice of Medicine) Systems presents ORCHIDS (Office Records, Charts, Information Data System). ORCHIDS is a clinical program for organizing and accessing the clinical data contained in patient charts in a medical or surgical specialist's office. ORCHIDS combines traditional formats for the entry of history and physical examinations and of follow-up visits with innovative features for assembling patient information. Major features include: picture files for patient photos, X-rays, surgical/endoscopic photos, surgical videos and medical sketches; customized scrolling checklists for histories and physicals; customized automated letters generated from the checklists; a contact log for identifying and reviewing interactions with patients; a telephone manager for documenting and assuring informed decisions over the telephone; a chart overview format for "thumbing through" patient information; and a report generator for extracting and relating data and analyzing practice needs. There are also logs for recording and reviewing diagnostic tests, lab data, treatments and hospital-generated records. A CapMed on Call module allows physicians to give other "on-call" physicians necessary, but limited patient information. Look-up screens allow input of practice specific CPT and all ICD-9-CM codes that are then used for coding purposes and for producing the 1500 form. The program maintains a complete audit trail, making it invaluable when legal depositions are required. ORCHIDS is based on and requires 4th Dimension software. The program is password protected.
$1,995 retail; single user
$4,500 retail; three users (free telephone support for 90 days)
$750 retail; each additional user
CapMed Systems Corp.; 250 Chateau Dr., Ste. 105; Huntsville, AL 35801; 205-881-8620 or 205-883-9717 (fax)

Orion 5 Chiropractic
Chiropractic management
Macintosh LC III or larger; hard disk drive; ImageWriter II.

Orion 5 is a comprehensive office management program that features Module Command Screens that provide advanced functions, such as automatic claims processing, automatic receipts posting and automatic co-insurance generation. Orion 5 Chiropractic includes a billing program, along with management reports, providing total automation for the office. Other features include: real-time patient bills and receipts for immediate in-office payment collection; batch processing; direct patient billing; complex insurance billing; patient information management; and mail merge. ICD-9 and CPT-4 codes with descriptions are part of the database. Available options include electronic claims submission.
$3,495 retail; single user
$5,995 retail; multiuser
Orion Computer Systems, Inc.; 980 Jolly Rd.; Blue Bell, PA 19422; 215-654-5777, 800-451-5059 or 215-654-5995 (fax)

Orion 5 Family Practice
Pediatrician/general and family practitioner management
Macintosh LC III or larger; hard disk drive; ImageWriter II.

Orion 5 is an office management program that features Module Command Screens that provide advanced functions, such as automatic claims processing, automatic receipts posting and automatic co-insurance generation. Orion 5 Family Practice is an interactive relational database program with fast real-time processing capability that accommodates the heavy patient volume of family practices by generating real-time patient bills and receipts for immediate in-office payment collection. Features include: batch processing of insurance forms and direct patient billing; more than 30 management reports; and extensive patient information management. ICD-9 and CPT-4 codes with descriptions are part of the database. Available options include electronic claims submission.
$3,495 retail; single user
$5,995 retail; multiuser
Orion Computer Systems, Inc.; 980 Jolly Rd.; Blue Bell, PA 19422; 215-654-5777, 800-451-5059 or 215-654-5995 (fax)

Orion 5 Podiatry
Podiatry office management
Macintosh LC III or larger; hard disk drive; ImageWriter II.

Orion 5 is an office management program featuring Module Command Screens that provide advanced functions, such as automatic claims processing, automatic receipts posting and automatic co-insurance generation. Orion Podiatry is an office management program for podiatrists. Features include: easy handling of complex insurance and patient billing requirements; batch and real-time processing of insurance claims, patient bills and receipts; extensive patient information management; patient recall management; prints more than 30 managerial reports; and more. ICD-9 and CPT-4 codes with descriptions are part of the database. Available options include electronic claims submission.
$3,495 retail; single user
$5,995 retail; multiuser
Orion Computer Systems, Inc.; 980 Jolly Rd.; Blue Bell, PA 19422; 215-654-5777, 800-451-5059 or 215-654-5995 (fax)

Orion 5 Psychiatric
Psychiatric management
Macintosh LC III or larger; hard disk drive; ImageWriter II.

Orion 5 is an office management program that features Module Command Screens that provide advanced functions, such as automatic claims processing, automatic receipts posting and automatic co-insurance generation. Orion 5 Psychiatric is an office automation system that will support a practice that submits claims to various insurance programs. It provides batch processing, electronic claims submission and, in addition to direct patient billing, will support the most complex insurance billing requirements, including patient pre-payment, balance bill to co-insurance, balance bill to patient, automatic write-off of non-allowable fees, third-party insurance companies, Medicaid, Medicare, Blue Shield, automatic write-off for physicians accepting assignment, professional courtesy adjustment and multiple fee schedules and patient information management. ICD-9 and CPT-4 codes with descriptions are part of the database. Available options include electronic claims submission.
$3,495 retail; single user
$5,995 retail; multiuser
Orion Computer Systems, Inc.; 980 Jolly Rd.; Blue Bell, PA 19422; 215-654-5777, 800-451-5059 or 215-654-5995 (fax)

Orion 5 Surgical
Office management for surgeons, ophthalmologists, otolaryngologists, podiatrists, obstetricians and urologists
Macintosh LC III or larger; hard disk drive; ImageWriter II.

Orion 5 is an office management program that features Module Command Screens that provide advanced functions, such as automatic claims processing, automatic receipts posting and automatic co-insurance generation. Orion 5 Surgical is an office management program for surgeons, ophthalmologists, obstetricians, urologists and others. Features include: easy handling of complex insurance and patient billing requirements; batch and real-time processing of insurance claims, patient bills and receipts; extensive patient information management; Management Reports module prints more than 30 managerial reports; patient recall management; and more. Available options include electronic claims submission.
$3,495 retail; single user
$5,995 retail; multiuser
Orion Computer Systems, Inc.; 980 Jolly Rd.; Blue Bell, PA 19422; 215-654-5777, 800-451-5059 or 215-654-5995 (fax)

Ovation Dental
Dental management for multiprovider dental offices
Macintosh Plus or larger; LaserWriter Plus or ImageWriter II.

Ovation Dental is a full multiprovider dental office, dental management package that provides features such as patient information, recall mailings, insurance billings, provider reports, aging statements and all basic ADA code processing.
$695 to $1,295 retail; standard to customized version using Helix Express
Innovative Design Systems Corp.; PO Box 5174; Akron, OH 44334; 216-722-3185 or 216-722-3287 (fax)

■ PathStacks
Allows users to program, add and edit clinical and histological presentations of medical pathology to selected images from the Slice of Life videodisc
Macintosh Plus or larger; 1 MB of RAM; 4 MB of free hard disk space; HyperCard 2.0 or later.

PathStacks is an expandable HyperCard stack designed for individuals who wish to program, add and edit clinical and histological presentations of medical pathology to selected images from the Slice of Life videodisc for teaching or personal use. PathStacks is an expandable program that gives users the ability to load additional input, diagrams and video images and share them with other users. The PathStacks program includes, in addition to those programming tools, a preliminary version of HyperBugs (microbiology) and HyperDrugs (pharmacology). Software contained in PathStacks may be repurposed to use with other generic pathology videodiscs, in addition to its primary use with the Slice of Life videodisc.
$100 retail
$300 retail; site license
Slice of Life; Eccles Health Sciences Library; University of Utah, Bldg. 589; Salt Lake City, UT 84112; 801-585-2737 or 801-585-2623 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

The Pediatric Infectious Disease Journal
The Pediatric Infectious Disease Journal (1985-1993)
Macintosh Plus or larger; 2 MB of RAM; color display requires 8-bit color, 32-bit QuickDraw and color monitor; System 6.0.5 or later; CD-ROM drive.

The Pediatric Infectious Disease Journal (1985-1993) provides clinically useful material for the front line practitioner, and is available on a single CD-ROM with full text articles, images and references. The journal features review articles and original studies on viral and bacterial illness in children, plus late-breaking news on diseases, techniques and drugs.
$295 retail
$395 retail; institutional
Creative Multimedia; 513 NW 13th Ave., Ste. 400; Portland, OR 97209; 503-241-4351, 800-854-9126 or 503-241-4370 (fax)

Pediatric Library
Review articles
Macintosh Plus or larger; 2 MB of RAM; color display requires 8-bit color, 32-bit QuickDraw and color monitor; System 6.0.5 or later; CD-ROM drive.

Pediatric Library includes four discs: Pediatrics: 1986-1993, The Pediatric Infectious Disease Journal: 1985-1993, Pediatrics Review and Education Program (PREP): 1986-1993 and Red Book: 1991, and 1993 Year Book Series: 1991-1993; or any four CMC medical journals of a user's choice. Other titles include: The New England Journal of Medicine 1991-1993 and American Family Physician: 1986-1993.
$995 retail
$395 retail; annual update
Creative Multimedia; 513 NW 13th Ave., Ste. 400; Portland, OR 97209; 503-241-4351, 800-854-9126 or 503-241-4370 (fax)

Pediatrics
Contains eight years (1986 to 1993) of the journal Pediatrics on a single disc
Macintosh Plus or larger; 2 MB of RAM; color display requires 8-bit color, 32-bit QuickDraw and color monitor; System 6.0.5 or later; CD-ROM drive.

Pediatrics contains eight years (1986 to 1993) of the journal Pediatrics on a single disc. It features full text articles; color and black and white images, as well as line art; references and captions cited; and the ability to search years of information in seconds.
$295 retail
$395 retail; institutional
Creative Multimedia; 513 NW 13th Ave., Ste. 400; Portland, OR 97209; 503-241-4351, 800-854-9126 or 503-241-4370 (fax)

Pediatrics Review And Education Program (PREP) & Red Book
Contains comprehensive review articles related to important pediatric topics, complete with the self-assessment exercises, commentaries, editorials, abstracts and references to the current literature
Macintosh Plus or larger; 2 MB of RAM; color display requires 8-bit color, 32-bit QuickDraw and color monitor; System 6.0.5 or later; CD-ROM drive.

Pediatrics in Review (1986 to 1993) is the journal component of the Academy's popular Pediatrics Review and Education Program (PREP). Each issue contains comprehensive review articles related to important pediatric topics, as well as commentaries, editorials, abstracts and references to the current literature. Red Book (1991): Report of the Committee on Infectious Diseases provides current information and consensus on the effective control of children's communicable diseases. Major subheadings address active and passive immunization, special recommendations for care of children in day care or hospitals, summaries of infectious diseases and drug dosages. Also includes the 1992 and 1993 Self Assessment Exercise and the 1993 Content Specifications.
$295 retail
$395 retail; institutional
Creative Multimedia; 513 NW 13th Ave., Ste. 400; Portland, OR 97209; 503-241-4351, 800-854-9126 or 503-241-4370 (fax)

Pharmacist Guide To Drugs
Extensive information on prescription drugs
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive.

Assembled by a registered pharmacist, this disc gives users extensive information on the top 200 prescription drugs sold today.
$79.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A; Minneapolis, MN 55414; 612-379-3956 or 612-623-4570 (fax)

PIBS For Physicians
Physician practice management
Macintosh Plus or larger; hard disk drive; Claris FileMaker Pro 2.0; System 6.0.4 or later.

PIBS (Patient Information and Billing System) automates the information and billing processes for physicians. The system uses four database modules — Patient Information, Patient Billing, DSM Codes and CPT Codes — to manage the practice. DSM-IIIR diagnostic codes are fully supported. Users may address billing statements to the patient or to other parties. Several automated processes are built into the system, including monthly billing, daily insurance billing, daily activities, account balances, insurance balances and patient summaries. Insurance billing overlay to the HCFA 1500 form is fully supported. Multiple CPT billing rates are supported for HMO, PPO, Indemnity, Medicare and Worker's Compensation patients. Multiusers are supported under FileMaker Pro on LocalTalk or Ethernet.
$595 retail
$50 retail; demo
Macworks; 4211 Balcones Woods Dr.; Austin, TX 78759; 512-343-8960

■ **PowerCare**
Clinical patient records system
Macintosh with 68030 processor; 8 MB of RAM (12 MB recommended).

PowerCare is a comprehensive clinical patient records system that utilizes the power of a truly relational and document-centric database. PowerCare provides users with a fully integrated health care management system designed to facilitate quality patient treatment programs and maximize insurance reimbursements while reducing spiraling administrative costs. PowerCare allows users to electronically chart all of the relevant patient information, including Progress Notes, Problem and Diagnoses Codes, Medications, Lab Results. Allergies, Prescriptions and many more relevant data. In addition, the system provides users with an electronic means for generating letters to patients, sending letters to referring physicians and managing all intra-office communications. PowerCare also seamlessly works with other applications already in use, so users can combine the power of their existing applications with the desired functions of PowerCare. PowerCare can be set up as either a single-user or Client-Server solution, depending on specific needs.
$3,000 retail; single user (call for pricing for multiuser discount)
Articulate Systems, Inc.; 600 W. Cummings Park, Ste. 4500; Woburn, MA 01801; 617-935-5656, 800-443-7077 (sales info) or 617-935-0490 (fax)

Pro Med Express
Intelligent medical office management
Macintosh LC II or larger; 8 MB of RAM; 40 MB hard disk drive; 14-inch monitor.

Pro Med Express is a fully integrated health care management solution available for both single and multiprovider practices. Three software versions offer a choice from basic billing to clinical data management and analysis. Program features include: E-mail, appointment scheduling, patient recalls, referral analysis, accounts receivable, billing, unlimited fee schedules, accounts payable, checking accounts, cash journal, chart of accounts, disbursements, expenses, recurring transactions, extensive reporting and query capabilities, patient charting, room and equipment scheduling and Medical Multi Media Management. All three systems offer a built-in HCFA 1500 form, extensive security, data validation, pop-up menus, preloaded CPT, HCPCS and ICD codes and electronic claims.
$2,495 starting price retail; multiprovider systems include client and client/server software
Excalibur Technologies; 931 Pheasant Woods Dr., Ste. 100; Manchester (St. Louis), MO 63021; 314-391-8838 or 314-230-0929 (fax)

PsychAnalyst 1.0
Bibliographic citations of all articles published in 12 major English-language psychoanalytic journals
Macintosh 512KE or larger; hard disk drive.

PsychAnalyst is a comprehensive database compilation of full bibliographic citations of all articles published in 12 major English-language psychoanalytic journals for each year of the journal's publication, 1920 to 1992. Annual updates will be available from the publisher by subscription, beginning with 1993 journals. Additional journals will be added to the PsychAnalyst library beginning in 1994. It is designed for clinicians, researchers, scholars and students in the fields of psychoanalysis, psychiatry, psychology and related professions.
$99.50 retail
Psychoanalytic Software; 2124 Broadway, Ste. 269; New York, NY 10023

The Psychotherapy Practice Manager (TPPM)
Mental health practice management
Macintosh Plus or larger.

Psychotherapists may use TPPM to perform all client-related record keeping and billing functions for individual or multiple therapist practices. Features include: easy entry/edit client registration, intake and contact notes; printing of individual client, insurance and HCFA 1500 bills, as well as monthly billing cycle; scheduling of appointments, meetings and ToDo items; complete Rolodex and address book; procedure codes and DSMIIIR codes; printing of mailing labels; confidential passwords; user-friendly software, documentation and tutorial; accounts receivable and account status reports; generic client forms, such as Life History, Signature on File, etc.; customization available; technical support program; 4th Dimension relational database; and network compatible. TPPM includes the Revenue/Expense Module, which tracks non-client-generated revenues and all practice-related expenses categorized by IRS 1040 Schedule C items for easy year-end tax data transfer. The Module also generates profit-loss statements for any time period. Managed Care Module and Electronic Billing module is also available.
$495 retail; single/multiple therapist
$150 retail; Managed Care Module
$20 retail; full-featured demo (applies to purchase price of system)
TPPM; 113 Hueneme Ave.; Channel Islands, CA 93035; 805-984-3791, 800-895-1618 or 805-984-3791 (fax)

Psych•Log
Office management for mental health-care professionals
Macintosh Plus or larger; System 5.0 or later; PostScript printer.

Psych•Log is an office-management system for mental health-care professionals. The program prints out monthly bills and standard insurance claim forms; maintains patient files; keeps a user's schedule in an electronic "Day-at-a-Glance"; allows a user to establish and keep track of individualized fee structures; calculates balance due less payments; supports optional interest charges on unpaid balances; keeps a user's books and produces income and expense reports; and does letter writing and mail merge. The program is available in three different versions, depending on the features needed and the size of a user's practice. Entry-Level Psych•Log is a billing system only. Single Provider Psych•Log is a full practice management system that provides scheduling, monthly statements, review of current month's client transactions, insurance form production and balance forward Accounts Receivable for a single provider. Multiprovider Psych•Log is identical to the Single Provider version, except configured for up to 30 service providers. It also includes appropriate multiprovider reports to assess individual provider productivity and payment record. The program is System 7 compatible.
$995 retail; entry level version
$2,395 retail; single-provider version
$3,495 retail; multiprovider version
$30 retail; demo
Mission Accomplished Software Services, Inc.; 3614 24th St.; Rock Island, IL 61201; 309-793-4540

Quick Ceph And Quick Ceph Image
Cephalometric analysis and treatment planning for dental/orthodontic profession
Any Macintosh (Quick Ceph); Macintosh IIci, IIfx, Centris 650 or Quadra (Quick Ceph Image).
Quick Ceph is a cephalometric (science of measuring the human head) tracing and treatment simulation program that is useful for orthodontists and maxillo-facial surgeons to develop a treatment plan, as well as for communicating with patients and colleagues and making presentations. Analysis styles available include Ricketts, Steiner/Tweed, McNamara, Downs, Jarabak, Iowa, Roth, Frontal, Burstone, Sassouni and Submentoventex. Quick Ceph uses a transparent digitizer. No intermediate pencil tracing is necessary. Different superimpositions allow for the comparison of initial tracing and VTO (visual treatment objectives) or initial tracing and final tracing.
Quick Ceph Image also allows a doctor to change a patient's video picture on the computer screen to make treatment effects visible. No digitizer is necessary.
$2,500 retail; Quick Ceph
$5,500 retail; Quick Ceph Image
Orthodontic Processing; 1001 "B" Ave.; Conomado, CA 92118; 619-437-4484 or 619-437-4485 (fax)

Recruiter Magic
Candidate management database solution
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.
Recruiter Magic is a candidate management database solution specifically designed for the health care industry for recruiting nurses and other health care professionals. Onsite training, installation, customization and follow-up is included with the purchase. It is available for Macintosh, DOS, Unix and AS/400 platforms.
$7,900 retail
$14,900 retail; three-user network
$19,900 retail; unlimited network
MaxSolutions; 6431 Cayenne Ln.; Carlsbad, CA 92009; 619-431-7321 or 619-431-8810 (fax)

ReferenceWorks
Allows users to search for and repertorize a patient's symptoms in the materia medica
Any Macintosh with 8 MB of RAM; System 6.0.7 or later.
ReferenceWorks allows a user to search for and repertorize a patient's symptoms in the materia medica. It combines the repertory's advantage of being able to find symptoms quickly with the completeness and wholism of the materia medica and provings. The program provides users with more than 30,000 pages of the best homeopathic materia medica at their fingertips. Included are Allen, Anshutz, Boericke, Borland, Clarke, Farrington, Gibson, Grimmer, Hahnemann, Hering, Hughes, Kent, Phatak, Roberts, Ward, Yingling and others.
$2,499 retail
Kent Homeopathic Associates; PO Box 39; Fairfax, CA 94978; 415-457-0678 or 415-457-0688 (fax)

ShrinkRapt
Mental health practice management
Macintosh Plus or larger.
ShrinkRapt is practice management software for mental health practitioners. It handles client records, records sessions, session notes, billing statements and insurance claims. ShrinkRapt comes complete with CPT and DSM/ICD codes installed. Billing and insurance statements can be printed on preprinted forms or on plain paper or letterhead. Preprinted forms are available from Saner Software. ShrinkRapt generates powerful management reports, including Insurance Payments, Aged Balance, Income (by therapist and practice), Demographics (clients and referral information) and Termination. Users can also create custom reports to fit specific needs. ShrinkRapt is available in versions for solo practices or practices with multiple therapists.
$585; Solo Practitioner
$985; Multipractitioner
$20; demo
Saner Software; 37 W. 222, Rte. 64, Ste. 253; St. Charles, IL 60175; 708-513-5599, 800-448-6899 (orders) or 708-513-4210 (fax)

ShuBox Medical Tracker II
Medical claim tracker
Macintosh Plus or larger; hard disk drive; printer.
Medical Tracker tracks the trail of where and what medical claims have been filed and how much has been paid by each insurer and user. Features include provider, address, patient, phone, codes, invoice numbers, obligation, unpaid total, amounts paid, dates of payment, EOB numbers for up to three insurers, individual amounts paid, date of payment, check number, up to 28 user-definable status reports and up to 20 independent directories of up to 5,000 records each.
$30 retail; also shareware availability
A.H. Nussel Sr.; 260 NE 6th Blvd.; Williston, FL 32696

Simplicity Dental Software II 1.0
Complete dental office management software; multiuser capable
Macintosh with 030 processor or larger; 5 MB of RAM; hard disk drive; laser or ink jet printer.
Simplicity Dental Software II is a complete multi-doctor and multiterminal-capable dental office management package designed to automate and streamline dental front desk work. It is based on the original Simplicity Dental Software but completely redeveloped to support color, large screens, laser printing and new features. The program consists of relational files allowing automatic call-up of patient and insurance information, co-payments and fees on the same screen during transactions, automatic preparation of insurance forms and recall cards. The software prepares and prints referral letters, insurance forms, mailing labels, envelopes and chart labels. It produces numerous reports showing balances, office production, outstanding insurance claims and unpaid bills; prints/displays total production and collection for each doctor or hygienist; tracks procedures performed during any date period; automatically tells a user when all insurance is paid and whether the patient should be billed, prepares insurance forms for secondary carriers; supports multiple fee schedules and cash discounts; and entry of an ADA code automatically calls up fees and calculates anticipated approximate patient insurance payments and allows for instant discounts. Pop-up windows allow instant access to codes and fees. Other features include: prints receipts and statements and bills; prints birthday cards; tracks inactive and lost patients; limited word processing for letters and postcards built in; and tracks specialist referrals by doctor and shows patients and production generated by referring doctors. It also allows dental supply inventory tracking. Laser printing eliminates the need for preprinted forms.
$1,950 retail; single terminal version, includes complete manual and 60 days of telephone support
$350 retail; each additional terminal
$70 retail; limited working demo and abbreviated manual
Ongoing support is available
Simplicity Dental Software Systems, Inc.; 9 S. Ridge Ave.; Ambler, PA 19002; 215-646-3382 (phone/fax)

Solo Deluxe And Solo Basic
Mental health care practice management
Macintosh Plus or larger; 2 MB of RAM (4 MB with System 7); hard disk drive; 640 by 480 pixel screen or large-screen emulator; ATM.
Solo Deluxe With Meds Support is a comprehensive practice manager for mental health care professionals, featuring integrated drug management. It is an ideal assistant for accounting, scheduling, session note taking and patient chart making. It includes a prescription blank and dynamic letter creation with personalized letterhead. Custom reports keep users in touch with their practice statistics. And, Solo Deluxe With Meds Support automatically creates a wide range of legal forms and practice administration documents, including HCFA 1500 forms.
Solo Deluxe contains all of the features of Solo Deluxe With Meds Support, except the drug management features.
Solo Basic is a version of Solo that is designed to function with the original Macintosh 9-inch screen. It does not support psychometric testing, has fewer appointment slots in its calendar and has limited expansion capability.
$495 retail; Solo Basic
$595 retail; Solo Deluxe
$795 retail; Solo Deluxe With Meds Support
Shrink2Fit Software; 215 N. Cayuga St., Ste. 103; Ithaca, NY 14850; 607-273-9169

Spine Manager
Data collection and reporting program for orthopedic surgeons and neurologists
Macintosh Plus or larger; 2 MB of RAM; 4th Dimension Runtime (included).
Spine Manager allows for spine patient data collection from initial ID through general history, spine history, pre-exam/follow-up, physical exam, diagnostic studies, medications, treatments, surgical procedures, diagnosis, treatment plan and work/disability. It then compiles text and diagram reports for any one or all of the topics covered. Spine history, follow-up exam information and prior diagnosis are compiled in text format and displayed for review in the physical exam section. This allows for the immediate review and/or printing of gathered information without waiting for transcription. Custom modification is available.
Call for pricing; multiuser available upon request per customer specifications
Journey/North Sound Development; PO Box 1151; Mukilteo, WA 98275; 206-259-2659

■ **StakAuthor**
HyperCard-based database package
Macintosh Plus or larger; 2 MB of RAM; 8 to 10 MB of free hard disk space; HyperCard 1.2 or 2.0.
StakAuthor is a HyperCard-based database package designed to link with the Slice of Life videodisc. StakAuthor comes with searching and authoring tools to provide non-programmers with the ability to create interactive video lessons without the need to do any involved programming. StakAuthor comes as a three HyperCard stack: the Slice of Life Database; Slide of Life Help File; and Slice of Life Template. When linked to the videodisc, StakAuthor gives users the ability to tailor-make instructional programs that access information on the videodisc as desired. Each lesson is therefore unique, allowing "authors" the means to address their specific educational needs or instructional emphases.
$200 retail
$500 retail; site license
Slice of Life; Eccles Health Sciences Library; University of Utah, Bldg. 589; Salt Lake City, UT 84112; 801-585-2737 or 801-585-2623 (fax)

STAT!-Ref
CD-ROM medical reference library
Macintosh Classic or larger; 2 MB of RAM (4 MB with System 7); 2 MB of free hard disk space; System 6.0.7 or later; CD-ROM drive.
STAT!-Ref is a medical information compact disk that provides instant access to the text, tables and reference in more than 250,000 pages of medical textbooks and MEDLINE journal abstracts. STAT!-Ref's software pinpoints search terms and retrieves information with maximum speed and efficiency. With quarterly updates, STAT!-Ref contains the most current information and is available for the Macintosh and PC running Windows. STAT!-Ref libraries are available in Primary Care and Oncology. A standard STAT!-Ref subscription includes: Current Emergency Diagnosis and Treatment, Current Medical Diagnosis and Treatment, Internal Medicine (Stein), The Merck Manual of Diagnosis and Therapy, The Medical Letter and Clinical Medline (10 years of abstracts from 20 leading primary care journals). A STAT!-Ref Oncology subscription includes: Cancer Medicine (Holland, Frei, Bast, Kufe, Morton & Weichselbaum), Internal Medicine (Stein), National Cancer Institute: Physician Data Query, ASHP: AHFS Drug Information, Handbook of Adverse Drug Interactions, The Medical Letter and Clinical Medline (10 years of abstracts from 32 oncology journals).
$495 retail; standard subscription
$1,195 retail; Oncology subscription
Teton Data Systems; PO Box 3082; Jackson, WY 83001; 307-733-5494, 800-755-7828 or 307-739-1229 (fax)

TessSystem Three
Medical office management
Macintosh Plus or larger; hard disk drive.
TessSystem Three is a comprehensive medical office management system designed to automate functions

such as insurance processing, patient billing, accounts receivable, patient transactions and report generation. It can be used in single-doctor or multidoctor/single-user or multiuser practices. TessSystem Three is flexible and easy to use. Some of its many valuable capabilities include: insurance billing, automated patient billing, accounts receivable aging, insurance payment history analysis, data entry validation of common fields, guarantor and employer information, patient transaction history, productivity and efficiency analysis, customized report generation, efficient data entry modules, daily audit reports, graphic business reports and reminder messages. Insurance claims can also be field electronically with the optional TessTelecom module. Software subscription service provides users with a brand new software program with the latest enhancements four times a year. Created and designed by a physician.
$2,995 starting price retail
Tess Data Systems, Inc.; 14340 Torrey Chase Blvd., Ste. 340; Houston, TX 77014; 713-440-6943, 800-218-8377 or 713-440-6526 (fax)

Therapist Office Manager
Automates the administration of counseling offices
Macintosh Quadra 610 or larger; 5 MB of RAM.

The Therapist Office Manager is a 4th Dimension-based application designed to automate the administration of counseling offices. The system supports an unlimited number of therapists and clients. Key features include: complete client list, including waiting list with print merge and label printing; accounts receivables for clients, with statements printing by client or therapist's clients; daily entries to keep track of all employees' work and client visits; diverse reports tracking client's characteristics, EAP programs and therapist's usage of time; appointments scheduler; password system with log-in and log-out time and date stamp for each user; and context-sensitive help.
$8,000 retail
MacSys Inc.; 362 Terry Fox Dr., Ste. 200; Kanata, Ontario, Canada K2K 2P5; 613-591-9200 or 613-591-8089 (fax)

The Therapy File (Orthopedic Edition)
Provides individuals with personalized home therapy programs
Macintosh Plus or larger; 2 MB of RAM (4 MB with System 7); System 6.0 or later.

The Therapy File (Orthopedic Edition) is a database of more than 300 therapy exercises, all containing high-quality PostScript illustrations. These activities can be combined in any number or order to create individualized home therapy program hand-outs for clients. Developed by rehabilitation professionals, the activities are categorized by body region and type of exercise so that users can easily structure their client's program. The exercises are broken down into the categories of range of motion, strengthening, self mobilization and stretching. They vary in their intensity and degree of difficulty to include a wide range of patients at various stages of recovery or fitness. Users can specify the parameters of each exercise, as well as add unique exercise regimens that are specific to their practice.
$785 retail
ERINOAK; Serving Young People With Physical Disabilities; 2277 South Millway; Mississauga, Ontario, Canada L5L 2M5; 905-820-7111 or 905-820-1333 (fax)

The Therapy File (Pediatric Edition)
Provides families and caregivers with personalized home and school therapy programs
Macintosh Plus or larger; 2 MB of RAM (4 MB with System 7); System 6.0 or later.

The Therapy File (Pediatric Edition) is a database of more than 500 tried and tested activities for pediatric rehabilitation, about half of which contain high-quality illustrations taken from actual therapy sessions. These activities can be combined in any number or order to create personalized hand-outs for therapy follow-up by parents or school personnel. The Therapy File is organized into five major areas: gross motor activities, sensory-motor and perceptual-motor activities, upper extremity and fine motor activities, stretchings and infant/pre-school activities. The Therapy File can be easily customized to incorporate the special programs of an institution or practice. Text can be added by a typist and illustrations can be pasted from any Macintosh graphics program. The Therapy File is appropriate for use by both occupational and physical therapists.
$650 retail
ERINOAK; Serving Young People With Physical Disabilities; 2277 South Millway; Mississauga, Ontario, Canada L5L 2M5; 905-820-7111 or 905-820-1333 (fax)

ToothPics
Dental patient management system
Macintosh Plus or larger; hard disk drive; System 6.0.2 or later; ImageWriter II.

ToothPics Professional is a complete dental patient management system with on-screen charting for easy entry of existing conditions, treatment plans and treatment. ToothPics is network ready to take advantage of chairside charting and to simplify front desk operations. The comprehensive walkout statement includes a graphic odontogram, printed in color, to reinforce patient in-office education, with the result of increased treatment plan retention and acceptance. Standard and custom reports are included. All reports and forms are printed on plain paper stock to eliminate the cost and hassle of extra printers and pre-printed forms. ToothPics allows for multiple providers, multiple fee schedules and multiple workstations. It prints and tracks insurance claim forms, insurance pre-treatment authorizations, patient and family ledger cards and standard business information and statistics.

ToothPics Basic is a subset of the professional product and is available for single provider, single fee schedule and single workstation applications.
$3,995 retail; single ToothPics Professional workstation
$750 retail; each additional workstation
$1,995 retail; ToothPics Basic
Class One Ltd.; 431 E. Ellis Dr.; Tempe, AZ 85282; 602-820-3696 or 602-839-4771 (fax)

Top 200 Drugs
Health care database
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; HyperCard 2.x.

Top 200 Drugs is a database containing information on the most prescribed drugs in the United States. It is designed as a study aid to allow users to quiz themselves on various categories of the top 200 drugs. Categories include trade name, generic name(s), DEA schedule, company name, available dosage forms, therapeutic class, FDA-approved indications and dosage ranges, pharmacology notes, pertinent drug interactions, contraindications and precautions, adverse effects and patient consultation information. Each category can be visible or hidden easily to allow self quizzing. Users may search for key words in any category or the database as a whole. Sorting can be done on trade name, generic name or top 200 ranking. Information is compiled by registered pharmacists from current medical literature.
$29.95 retail
Sigler and Flanders, Inc.; PO Box 3578; Lawrence, KS 66046; 913-749-5259 or 913-841-6297 (fax)

Veterinary Computer Library
Gives users access to the most recent veterinary information, including small and large animal medicine and surgery
Macintosh Classic or larger; 4 MB of RAM; HyperCard 2.0 or later; System 6.0 or later.

Users can now have instant access to the most recent veterinary information on their computers. Available are: 1992 Scientific Proceedings of the American Animal Hospital Association 59th Annual Meeting, Proceedings of the American College of Veterinary Internal Medicine Tenth Annual Forum and Proceedings of the North American Veterinary Conference. Each contain a wide range of topics covering small and large animal medicine and surgery. Articles may be located by title, by topic, by author or by any parameter. The Veterinary Drug Handbook contains more than 300 drug listings. Veterinary drugs (or human drugs commonly used in veterinary medicine) are listed by generic or trade name. All listings may be located by drug class, by drug name or by word search of the complete or of a subsection of the Veterinary Drug Handbook. The Veterinary Computer Library provides a unique way to view information. It provides a complete cross index to every word in the entire reference.
$45 to $389 retail
Veterinary Software Publishing; 921 Reiss Rd.; O'Fallon, IL 62269; 618-624-3688, 800-669-3475 or 618-624-3688 (fax)

Wellness In Pregnancy
Obstetrical clinical information system
Macintosh Classic or larger; hard disk drive; laser printer.

Wellness in Pregnancy is a comprehensive obstetrical information system designed to improve the quality of patient care and minimize the risk of malpractice. It reminds a physician of lab tests to be performed and alerts users of any abnormal values. It includes full charting capabilities. Concise summary reports allow a quick review of the chart. Reference information (more than 80 topics) helps the office staff to answer patients' questions and may be printed in letter form and mailed to patients as documentation and reinforcement of advice given. Printable graphics assist in teaching patients what to expect during pregnancy and how to prepare for the rigors of labor and delivery.
$1,995 retail; software site license
Wellness In Medicine, Inc.; PO Box 4229; Ocala, FL 34478; 800-527-8319 or 904-629-3523 (fax)

Winx 3.5
Eye-care management
Macintosh Classic II or larger; 4 MB of RAM; hard disk drive.

Winx is a comprehensive software package for eye-care professionals. It prepares monthly statements, financial reports, patient history and market information. Winx maintains a comprehensive database of accounts and patients. This information can be retrieved in numerous ways and can be used for various purposes by an office staff. Charges & Receipts allows users to enter transactions into the billing system. Transactions can be sent to a file for insurance billing and are automatically coded for use in the Doctor and Practice Analysis reports. The Doctor and Practice Analysis report provides the means to observe the activity of a practice, doctors and offices for the month-to-date and year-to-date. Numerous financial reports are available, including Accounts Receivable, daily transactions, delinquent account reports, bank deposit slips and summary of all transactions. Patient files can be searched and organized by a number of criteria. Winx also produces personalized letters and reminders, as well as mailing labels.
$3,500 retail; single user
$6,000 retail; multiuser (first three users)
Medical Software, Inc.; 6043 Hudson Rd., #380; Woodbury, MN 55125; 612-770-7100

Vertical Markets/Hotel, Motel

MacInn
Lodging and property management software for inns, hotels, time-share condominiums, conference centers, etc.
Macintosh Plus or larger; hard disk drive; ImageWriter or LaserWriter.

MacInn is a package designed for the lodging and hospitality industries. It consists of both front desk and back office functions for inns, motels, hotels, conference centers, campgrounds, etc. The program includes reservations, check-in and check-outs, automatic posting of charges and payments, night audit, accounts receivable and payable and a variety of financial and management reports. The program is available in versions to serve establishments with up to 150 rooms.
$1,195 retail; full feature version
$595 retail; Bed & Breakfast version
Eliot Software Co.; PO Box 337; Eliot, ME 03903; 800-755-9887

Reservation Management
R.V., trailer park or campground management
Macintosh Plus or larger; 1 MB of RAM (4 MB with System 7); hard disk drive; System 6.0 or later.

The Reservation Manager is designed to accommodate the needs of the R.V., trailer park or

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Start me with: ☐ **Jan., Feb., Mar.** ☐ **Apr., May, June** ☐ **July, Aug., Sept.** ☐ **Oct., Nov., Dec.**

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Address _____

City/State/Zip _____

Signature _____ Phone # _____

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Macintosh Product Registry
660 Beachland Boulevard
Vero Beach, Florida 32963

campground owner/operator. The system is multiuser and incorporates some of the following features: confirmation assignment and multiple bookings per confirmation; information access by name, space or confirmation; tracking by groups, rates, sites, units, vehicles, reservation status, charges, deposits and extras; automatic billing with meter readings and receipt features that can be manually overridden; invoices, confirmation letters and mailing labels are printed online at any time; user set-up and modification of acknowledgements or confirmations; a notebook to capture guest information; compatibility with Macintosh System 7, Unix, DOS and Macintosh to Unix platforms; manual with online help; and multiple module integration. Service contracts and customization are available.
$695 retail
Newhouse Software; PO Box 2547; South Lake Tahoe, CA 96158; 916-541-1846

Vertical Markets/Insurance

■ ParaRisk Risk Management Information System
Multiline claims management system
Macintosh Centris 610 or larger; 12 MB of RAM; System 7.0 or later.

ParaRisk is a multiline claims management system that encompasses a wide range of risk management functions: claims administration, policy management, exposure and property value tracking, certificate tracking and issuance, loss analysis, payroll history tracking, treatment history and user maintained medical charge tables. ParaRisk features a true graphical user interface and uses a forms-based system that graphically replicates paper forms on the computer screen. All system functions are represented on the screen by an icon or an action button and its use is intuitive. Data may be imported from other sources, such as payroll information. Data may also be exported in text or ASCII format. All notes, claim forms, screens and reports may be printed to the screen for preview or to a printer. Standard and ad hoc reports are supported by ParaRisk, including OSHA 200 logs, electronic first report of injury forms and 1099 reports. ParaRisk is available in stand alone or multiuser client/server configurations.
$32,000 retail
Paradigm Infosystems; 15395 SE 30th Pl., Ste. 210; Bellevue, WA 98007; 206-746-4559, 800-637-5766 or 206-746-4826 (fax)

Vertical Markets/Law Enforcement & Fire Service

CompuScene
Generates professional sketches for crime or traffic accident scenes
Macintosh Plus or larger.

CompuScene can generate professional crime scene or traffic accident sketches. It includes a CAD program that was specifically selected for the requirements of crime scene and traffic accident reconstruction drawings. It also includes a special library of drawn objects for law enforcement applications. The crime scene libraries are templates that provide all of the elements important in an investigation of a serious crime, such as furniture, victim, weapon, etc. The drawings are easily changed and can be printed at any size (up to 4 by 4 feet). The Traffic Accident Reconstruction allows the professional traffic accident reconstructionist to create high-quality drawings on the computer and print them out at any size (up to 4 by 4 feet). This also includes a computerized calculation program with all of the standard traffic accident formulas for quick, easy calculations.
$800 retail
Visatex Corp.; 1745 Dell Ave.; Campbell, CA 95008; 408-866-6562 or 800-722-3729

Compusketch
Composite sketch software
Macintosh Plus or larger; hard disk drive.

Compusketch creates composite sketches of criminal suspects from witness descriptions. It features an interactive witness interview that contains up to 150 questions and is designed to assure unbiased uniformity and prevent bluffing. It includes a library of more than 40,000 facial features that can be combined to produce trillions of suspect faces. Sketches can be printed, stored and transferred to desktop publishing or paint programs for manual modification.
$4,500 retail
Visatex Corp.; 1745 Dell Ave.; Campbell, CA 95008; 408-866-6562 or 800-722-3729

Drill Report
Fire service database
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; HyperCard.

Drill Report is a fire service database that is fully integrated with FirePlan, but also functions as a stand-alone application. Drill Report will keep track of training and drill schedules for all fire department personnel. Grading and training needs can be documented for each firefighter in a department, and records can be generated for each individual or as a whole. The database is fully customizable and lesson/training plans may be added as needed. All upgrades are free of charge to registered users.
$135 retail
Sound Advice, Inc.; PO Box 278; Cazadero, CA 95421; 707-632-5911 or 707-632-5751 (fax)

FirePlan
Database for fire prevention, preplanning and incident management
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; HyperCard.

FirePlan is a comprehensive fire prevention, preplanning and incident management database that can be customized to fit any fire department's specific needs. Data can be stored both in a text and graphics format. Concurrent with the preplan database is a fire prevention database that may be integrated record-by-record with the preplans. FirePlan provides a search capability that allows hazardous materials to be looked up in an external database, such as the D.O.T. Hazardous Materials database. FirePlan can be used as the backbone of a computer-automated dispatching system with first, incremental alarms and mutual aid tracking.
$395 retail
Sound Advice, Inc.; PO Box 278; Cazadero, CA 95421; 707-632-5911 or 707-632-5751 (fax)

FirePoint Power Series
Integrated fire department information system
Macintosh with 68020 or larger processor; 8 MB of RAM; hard disk drive; color monitor recommended.

The FirePoint Power Series is a comprehensive fire department information system designed for Macintosh computers. The Power Series is sold by the module which together manage up to 37 integrated fire department applications. Extensive networking options are available for multistation fire department. Applications include nationally approved fire incident reporting, apparatus and F/f response, training records, EMS, construction projects, occupancy inspection, preplanning, hazardous chemical storage, personnel, scheduling, equipment and more. FirePoint incorporates a flexible reporting function which includes dozens of pre-programmed reports. It allows users to design and save the user defined reports in both printout and graphical report formats. User defined reports can be saved and selected in the same manner as pre-programmed reports.
$995 starting price retail
Advanced Command Systems, Inc.; 24 McClellan St.; Amherst, MA 01002; 413-253-3773 or 413-253-3778 (fax)

Hazmat Administrator
Hazardous materials management
Macintosh with 68030 processor or larger (25 MHz recommended); 4 MB of RAM; 40 MB hard drive disk.

Hazmat Administrator is a hazardous materials inventory management and reporting package that can be used by both agencies and companies. The program provides an integrated, community-wide approach to hazardous materials management with the following features: extremely easy to learn and use; easy preparation of hazardous materials management plans; administration of one site or multiple sites; integrated map drawing capability; chemical inventory cross-linked to facility maps; seamless link to NOAA's CAMEO; uploading and downloading of information by disk; many standard reports; and more.
$795 retail; (discounts for government)
Gaia Systems; 3000 Alpine Rd.; Menlo Park, CA 94028; 415-854-8288, 800-858-7888 or 415-854-8297 (fax)

Law Man
Integrated law enforcement information management system
Macintosh Plus or larger; 4th Dimension Runtime (included).

Written by police officers, Law Man has been developed as a support system for a multicounty narcotics task force and lends itself to a variety of law enforcement environments, including city, county, state and federal agencies. The Law Man system integrates the management of Seized Assets, Informants, Intelligence and Internal Affairs and Major Case Tracking, and provides for a variety of cross referencing and reporting functions. Evidence, Phone Toll, Knock & Talk and Case Management modules are under development for future updates. Individual modules or custom grouping are available upon request. Custom modification is available.
$4,495 to $4,995 retail; single user to multiuser
Journey/North Sound Development; PO Box 1151; Mukilteo, WA 98275; 206-259-2659

Mac-A-Mug Pro
Composite human faces
Macintosh 512K or larger; external disk drive or hard disk drive; ImageWriter or LaserWriter.

Mac-a-Mug Pro is a complete system for generating composite human faces. It provides a means for non-artist, law enforcement personnel to assemble realistic composites based on eyewitness descriptions. Features include the ability to scroll through various facial features. A user may also save and reassemble faces to and from the disk. A variety of pencils, brushes and erasers are provided to allow immediate editing of the faces before printing. A user may also cut and paste faces into MacPaint for "lineup" portraits. The print function allows a user to optionally date stamp each poster; print each session's start, finish and elapsed time; enter, edit and print a suspect's description; and print the feature ID numbers for transmission to other departments.
$495 retail
Shaherazam; PO Box 26731; Milwaukee, WI 53226; 414-367-8683 or 414-367-8646 (fax)

Mac-CFIRS
California fire incident reporting system
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; HyperCard.

Mac-CFIRS is a fully automated version of the California Fire Incident Reporting System. The program consists of a data entry module with full validity checking for code type and formatting, in accordance with the California State Marshall's requirements. No code manual is required to enter data; all codes are accessed by pop-up menus. Error messages and automatic correction assure that entries will always be valid. Additionally, a FileMaker Pro module is provided to manipulate and create user-definable reports. Standard hard copy printouts match the State Fire Marshal's forms and data may be transferred by 3.5-inch disk directly to the California SFM Office. Future modem support will be provided when that feature is implemented by the California SFM Office.
$295 retail
Sound Advice, Inc.; PO Box 278; Cazadero, CA 95421; 707-632-5911 or 707-632-5751 (fax)

Resource Manager
Tracks maintenance and inventory
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; HyperCard.

Resource Manager is a collection of related databases specifically designed to track maintenance and inventory aspects in the fire service. Users can manipulate data from a variety of database options, such as SCBAs, Turnouts, Apparatus, Ladders, Hydrants, Hose, Tools, Medical and Communications equipment, Personnel and Electronic Mail, and instantly create related inventories and reports.

These Products Available Through Bottom Line Distribution
1-800-347-1923

Resource Manager may be easily linked to Drill Report and FirePlan, and pertinent data can then be shared by all three programs. All aspects of the database are customizable. Upgrades are free of charge to registered users.
$395 retail
Sound Advice, Inc.; PO Box 278; Cazadero, CA 95421; 707-632-5911 or 707-632-5751 (fax)

■ **Rural Fire Management**
Fire department management
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.

Rural Fire Management (RFM) is primarily designed for small to medium size fire departments. RFM is designed with the unskilled computer user in mind. All entry is done by way of lists, partial entry or type entire entry. RFM currently tracks all personnel information and certificate expiration dates. Training classes and related information is kept on each firefighter, along with reports for pension and training history for each firefighter. Incident reporting system for Fire, EMS and Wildland are kept with the simplest of entry. Individual incident reports can be printed, reports showing the number of runs per category, runs by day of the week, runs by hour of the day and calls by month. Hydrant inspection with automatic calculation and building inspection information is maintained.
$395 retail
Entry Ez Software; 79 Cedar Cir.; Durango, CO 81301; 303-247-4516 (phone/fax)

Vertical Markets/Legal

■ **AgreeMentor**
Business, sales and legal agreements
Macintosh 512K or larger; hard disk drive recommended; MacWrite 3.0 or Microsoft Word 3.01.

AgreeMentor provides 24 pre-written, fill-in-the-blank business agreements on disk. Although drafted by attorneys, the agreements are written in everyday language to be understood by non-lawyers. These agreements define expections and cover contingencies between the user and customers, suppliers, reps, employees and others. The templates can be edited using a word processor to suit specific purposes. Some of the agreements include dealer resale, independent sales representative, manufacturer's representative, non-disclosure, business assets transfer, equipment lease or purchase, promissory note, ad/design agency policies, business consultant, referral letter, finder's fee, partnership, power of attorney and employment.
$99 retail
JIAN; 1975 W. El Camino Real, Ste. 301; Mountain View, CA 94040; 415-254-5600 or 415-254-5640 (fax)

Automation Law
Law office practice management system
Macintosh Plus or larger; SQL server and TCP/IP network.

Automation Law is a law office practice management system designed and built using relational database technology and SQL-based data servers. It is a fully integrated system that goes far beyond time and billing. Automation Law provides for full real-time capture of disbursements for copy charges, telephone calls and postage meters. It is fully integrated in the Trust and banking areas and provides up-to-date real-time management reports. Client conflict, calendars, work in progress and trust accounts are all available to each time keeper in real time, online. Security was also designed into the basic fabric of the system. Because of its client server technology, Automation Law can be expanded to serve a user's needs — from small to very large firms.
Call for pricing
Lawtek Computer Systems; 333 25th St. E, #600; Saskatoon, Saskatchewan, Canada S7K 0L4; 306-934-1160

Bankruptcy 4ms4Mac
Prepares Chapters 7, 11, 12 and 13
Macintosh Plus or larger; 2 MB of RAM; System 6.0.3 or later.

Bankruptcy 4ms4Mac prepares Chapters 7, 11, 12 and 13 in an easy page-by-page environment. It is not a template requiring purchase of a database program. Repetitive information, such as the debtor's and attorney's data, is exported to all "same" fields with clairvoyant intelligence. Numeric calculations on all schedule sheets are automatically tabulated and totaled on the Summary of Schedules page. Printing speed averages 45 seconds per page or less on a 6 ppm laser printer. Any additional local rule pages required are available on request.
$375 retail
4ms4Mac Co.; 1025 S. Main St.; Corona, CA 91719; 909-736-1169 or 909-737-4691 (fax)

Brevity
Utility for printing condensed transcripts
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.2 or later.

Brevity software prints transcripts in multicolumn format. Because four to seven times as much information appears on each printed page, it is easier for a lawyer to review, organize and carry transcripts. A 100-page deposition can be printed in 10 pages or less, in three-column, two-sided format. Additional advantages include reduced storage, duplication and postage costs associated with handling transcripts. Brevity allows users to print transcripts in any font type or size and up to four columns. It offers two-sided printing with any standard printer. Brevity uses standard ASCII transcript files from a court reporter — no proprietary format is necessary.
$279 retail
Robins Analytics, Inc.; 245 E. 6th St., Ste. 821; St. Paul, MN 55101; 612-224-1289, 800-767-3239 or 612-224-2633 (fax)

Cadence V2
Attorney's office management manual
Macintosh Plus or larger; word processing application reading Word files.

Cadence is an online, or offline, manual for managing a professional's office. It is designed for the solo practitioner and small to medium-size firm using microcomputers. Cadence integrates efficient information and computer management techniques, today's marketing practices and traditional management concerns. It makes current procedures available to everyone facilitating smooth operation of the office. Cadence consists of several manuals. There is a standard manual for reference, a manual used for training a new staff, and a brief manual used for training temporary employees.
$69.50 retail
GreenLight Software, Division of Elan Associates; 79 W. Monroe, #1320; Chicago, IL 60603; 312-782-6496 or 312-782-6494 (fax)

CalendarEye 1.5
Docket, registration and file monitoring system
Macintosh Plus or larger; hard disk drive (68030 chip improves performance); Helix Express.

CalendarEye is a docket and file management system for intellectual property attorneys and others concerned with patents, trademarks, copyrights, customs and licenses — both within the United States and foreign countries. Data entry verification is available at several levels. Features include: a full range of tickler dates; integrated design with Client Portrait client information, marketing and conflicts system and with Cadence model law office manual; accommodates foreign and domestic matters, trademark logos and other graphics and dates after 1999; helps monitor a firm's critical responsibilities; quickly generates reports by dates, associate, country, client, attorney and more; turnkey mode with convenient ready-to-use templates for quick access to frequently used menus; and more.
$995 retail
GreenLight Software, Division of Elan Associates; 79 W. Monroe, #1320; Chicago, IL 60603; 312-782-6496 or 312-782-6494 (fax)

California Nonprofit Corporation Handbook Computer Edition
Tells how to form a non-profit corporation in California
Any Macintosh; 800K disk drive.

This is the standard work on how to form a non-profit corporation in California. Included on the disk are the forms for the Articles, Bylaws and Minutes a user will need, as well as regular and special director and member minute forms. Also included are several chapters with line-by-line instructions explaining how to apply for and obtain the federal 501(c)(3) tax exempt status. This is a critical step in the incorporation of any non-profit organization and applies to incorporating in any state.
$39.95 retail
Nolo Press; 950 Parker St.; Berkeley, CA 94710; 510-549-1976, 800-992-6656 (orders) or 510-548-5902 (fax)

CaseRunner
Enables litigators to annotate existing transcripts with notes and questions
Macintosh Plus or larger; 2 MB of RAM.

CaseRunner enables litigators to easily annotate existing transcripts with notes and with questions to be asked at future depositions or at trial. The program is unique in that it displays this information in a multi-column format, allowing users to see both the original transcript and the annotations at all times. CaseRunner loads and automatically formats existing documents. Transcripts (in ASCII or popular WP formats) are split into cells, retaining the original line, page and volume numbers. Full-text Boolean searches are supported across multiple documents, along with user-defined topic searches. Users may also view only those portions of a transcript that have been annotated. CaseRunner was specially designed for lawyers and can function in a networked multiuser environment. It maintains lists of users, clients and cases and can keep track of time spent using the program. Billing reports of any size law office may be generated.
$500 per user retail; discounts for multiple users is available
Software in Motion, Inc.; 1085 Spadina Rd.; Toronto, Ontario, Canada M5N 2M7; 416-932-0763 or 416-483-7544 (fax)

CIBS For Attorneys
Legal practice management
Macintosh Plus or larger; hard disk drive; Claris FileMaker Pro 2.0; System 6.0.4 or later.

CIBS (Client Information and Billing System) automates the information and billing processes for attorneys. The system uses three database modules — Client Information, Client Billing and Fees — to manage the practice. Users may address billing statements to the client or to other parties. Several automated processes are built into the system, including monthly billing, account balances and management reports. CIBS for Attorneys provides for detailed time accounting and management reporting. Data entry can be handled by a central office staff or by individual attorneys. Multiusers are supported under FileMaker Pro on LocalTalk or Ethernet.
$349 retail
$35 retail; demo
Macworks; 4211 Balcones Woods Dr.; Austin, TX 78759; 512-343-8960

Cudgel 1.5
Litigation companion with docketing
Macintosh Plus or larger; 68030 or higher chip preferred; hard disk drive; Helix Express.

Cudgel comprehensively coordinates evidence, graphics, witnesses, facts, laws, papers, notes, costs and more — key litigation information from complaint through discovery to trial and appeal. Users can easily set up key word searches for text, dates, times and numbers; searches can be exact hits or simple logical relationships. Not simply "litigation support" nor "case management," the fully relational Cudgel optimizes menus and privileges for Trial, Docket, Clerical Support, Archiving and Full Access. Cudgel's integrated Docket shows deadlines by period, person and case. It supports multiple cases; multiuser and site licenses are available. Both full computerized and paper reports are supported. Patent pending.
$995 retail
GreenLight Software, Division of Elan Associates; 79 W. Monroe, #1320; Chicago, IL 60603; 312-782-6496 or 312-782-6494 (fax)

De Novo Legal Case Manager
Litigation management
Macintosh SE/30 or larger; 4 MB of RAM; hard disk drive.

De Novo Legal Case Manager is a litigation and case management tool enabling trial lawyers to manage personal injury, domestic relations and other litigation.

Ease of use is built in to minimize training time and maximize effectiveness. Users can produce valuable work the very first day. Critical case information is always available at the click of a button and mail-merged forms and requests-for-information are easy to generate. It easily merges case data into client contact letters and provider requests for information. Current forms may be imported and report formats are provided, which allow quick overviews of key aspects of a user's caseload. Intuitive entry screens store client data: General Info, Medical Info, Medical Expenses, Wage Info, Witness Info, Expert Witnesses, Liability Insurance, Lawsuit Info, Settlement, Discovery, Depositions, Domestic Relations and more. Using System 7 Apple Events, the single-user De Novo Legal Case Manager automatically posts reminders to Nisus Software's Easy Alarms 2.1 calendar and reminder system. Multiuser FoxPro version links to Word, WordPerfect and various calendar/reminder systems and PIMs via AppleScript and AppleEvents to make integration with office standards and practices a snap.
$249 retail; single user with HyperCard
$495 retail; network with FoxPro Runtime (one to five users)
$99 retail; each additional user
A free demo is available
De Novo Systems, Inc.; 3910 NE 42nd St., Ste. 100; Vancouver, WA 98661; 206-695-9372 or 800-755-9744

DocumentSmarts
Automation for intelligent report generation
Macintosh with 1 MB of RAM; hard disk drive.

DocumentSmarts is a power tool for automating the assembly and generation of large documents, that gives corporations with enterprise-wide computing requirements or professionals such as lawyers a competitive edge. Large corporate documents, such as insurance contracts, patent applications, investment prospectus filings or environmental impact statements, have an inherent logical structure that can be described by rules or by reference to previous examples or cases. Using DocumentSmarts, the logical structure for the documents is stored as if-then type rules and the document components, e.g., paragraphs, stored in a word processor common interchange format, RTF (Rich Text Format). An interview procedure asks the users natural-language questions to determine which component should next be added to the growing document. For example, "Is the fund taxable?" is a critical question for the prospectus of a mutual fund. The person assembling the document answers Yes and No or selects an answer from a scrolling list of choices, then passes on to the next question. Auxiliary explanatory material can be displayed simultaneously with the next question to facilitate the appropriate selection. By replacing high labor costs by the low-cost DocumentSmarts system, tremendous time savings can be achieved. It works with all major word processing software.
$995 retail
Cognition Technology Corp.; 1000 Massachusetts Ave.; Cambridge, MA 02138; 617-492-0246 or 617-492-0247 (fax)

Forensic Economist
Calculates lost income
Macintosh Plus or larger; System 7.0 or later.

Forensic Economist calculates the lost income due to death or accident and produces a report for these calculations. The report is similar to a preliminary report produced by an expert witness. This product is intended to be used by lawyers and economists engaged as expert witnesses.
$499 retail
J.P. Consulting, Inc.; PO Box 3053; Duluth, MN 55803; 218-724-8920

How To Form Your Own New York/Texas/Florida Corporation Computer Edition
Contains instructions, tax information and forms needed to incorporate a small business
Any Macintosh; 800K disk drive.

How To Form Your Own New York/Texas/Florida Corporation contain all of the instructions, tax information and forms needed to incorporate a small business, including the Certificate of Incorporation, bylaws, minutes and stock certificates; full instructions on how to incorporate a new or existing business; tax, corporation and securities law information; complete information on electing S Corporation tax status; Federal Tax Reform Act rates and rules; and the latest procedures to protect directors under state law.
$39.95 each retail
Nolo Press; 950 Parker St.; Berkeley, CA 94710; 510-549-1976, 800-992-6656 (orders) or 510-548-5902 (fax)

Law Office Manager
Legal client management
Macintosh Plus or larger; hard disk drive; System 6.0.8 or later.

Law Office Manager (LOM) is a full-featured, multiuser docket control system and much more. Data is maintained within five main data files: Clients, Matters, Jobs, Archives and Documents. Viewing or printing information is very simple and yet very powerful when using the report editor for custom reports or the built-in reporting for each file. Along with the reporting features, LOM also has built-in word processing, which aids in the creation of forms. A powerful label editor is included for creating all types of labels. Other features include multilevel conflict checking, automatic client numbering, automatic upper- and lowercasing of typed text, automatic ticklers, hot linking of documents and automatic entry of cities and states based on the Zip code entry. LOM was designed for attorneys by attorneys of different specialties, making the program suitable for any size law firm.
$495 retail; single user
$295 retail; additional workstations
Site licensing and academic pricing available
Avocat Systems; 900 S. Gay St., #1402; Knoxville, TN 37902; 615-523-6005, 800-521-6588 or 615-637-8810 (fax)

Lawyer Bankruptcy Software
Prepares, calculates and prints bankruptcies
Macintosh Plus or larger; laser printer.

Lawyer Bankruptcy Software prepares, calculates and prints Chapter 7, 11, 12 and 13 bankruptcies. The software is easy-to-use, screen by screen software. Questions pop-up on the screen and the answers are automatically placed in the appropriate schedule and place. Software has creditor, attorney and statute data basis. Users type the information one time and it automatically appears in the appropriate place and schedule. The program prints a matrix in the proper order and numbers pages on the back. It performs all calculations and enters totals in the appropriate place, as well as prints the forms and schedules exactly as the Official Forms.
$495 retail
Lawyer Forms, Inc.; 3209 Ingersoll Ave.; PO Box 12097; Des Moines, IA 50312; 515-255-7139 or 515-255-2336 (fax)

Lawyer Forms Corporate Software
Seventy-nine corporate forms
Macintosh Plus or larger; printer.

Lawyer Forms Corporate Software has 79 forms, including all of the forms from the Uniform Corporation Act. The forms are written in ASCII as adapted for use with Apple and Macintosh computers. The forms are easy to use; users merely fill in the blanks and strike out, or change, portions not to be used. Forms included are Articles of Incorporation, Articles of Dissolution, sample corporate resolutions, by-laws, Buy and Sell agreements, non compete agreements, stock options and many other often used forms. Use of these forms simplifies handling corporate legal business.
$199 retail
Lawyer Forms, Inc.; 3209 Ingersoll Ave.; PO Box 12097; Des Moines, IA 50312; 515-255-7139 or 515-255-2336 (fax)

Lawyer Forms Real Estate Software
Real estate forms
Macintosh Plus or larger; printer.

Lawyer Forms Real Estate Software has the most commonly used real estate forms. These forms are written in ASCII as adapted for use with any Apple or Macintosh computer. Users fill in the blanks, edit, change or delete from forms as the facts dictate. Forms include Deeds, Offer and Acceptances, Mortgages, Leases, Farm Leases and Power of Attorney.
$99 retail
Lawyer Forms, Inc.; 3209 Ingersoll Ave.; PO Box 12097; Des Moines, IA 50312; 515-255-7139 or 515-255-2336 (fax)

Lawyer's WillWriter II
Computer-generated will program with testamentary trusts
Macintosh 512KE or larger.

Lawyer's WillWriter II is a comprehensive program that helps lawyers prepare clients' wills. A user simply supplies the information and the program puts the information into standard will clauses and prints the will. If a will needs to be updated, a user reruns the program. Lawyer's WillWriter II has been revised to include the following: Marital Deduction Trusts (Trust A), Bypass or Credit Exemption Trust (Trust B), Qualified Terminable Interest (QTIP) and Charitable Remainder Trust. Lawyer's WillWriter II features a client interview form and establishes client files for convenient reference.
$150 retail
Legisoft, Inc.; 3430 Noriega St.; San Francisco, CA 94122; 415-566-9136 or 415-566-1168 (fax)

Legal Aid
Allows users to prepare legal documents
Macintosh Plus or larger; Microsoft Word 4.0 or 5.0.

With Legal Aid, a user's Macintosh completes the task of preparing legal documents. It consists of the following templates: Personal Living Will, Trust Agreement, Quit Claim Deed, Residential Lease, Commercial Lease, Partnership Agreement, Durable Power of Attorney and Promissory Note.
$29 retail
MacAcademy; 100 E. Granada Blvd.; Ormond Beach, FL 32176; 904-677-1918 or 904-677-6717 (fax)

Legal Billing 2.6
Time billing package for attorneys
Macintosh 512K or larger.

Legal Billing is a time billing package specifically designed for attorneys. It has also been approved by the American Bar Association (ABA). Legal Billing has a built-in Trust Account capability, Work-In-Progress option and handles multiple matters per client. The program will print detailed client statements in a variety of formats and features numerous management and productivity reports.
$295 retail; Legal Billing II
$595 retail; Legal Billing II Plus (network version)
Satori Software; 2815 2nd Ave., Ste. 295; Seattle, WA 98121; 206-443-0765 or 206-728-7068 (fax)

The Legal Eagle
Customizable time cost/disbursement billing and accounting package
Macintosh 512KE or larger; 1 MB of RAM for multiuser version.

The Legal Eagle is a law office time and disbursements management program. As a full one-entry system, disbursements are auto-posted to accounting. Profit and loss statements for office and each attorney give management control over internal activity. Users can maneuver through the Client Matters file to overview outstanding bills, payment history and current activity on any account. Features include: the ability to track client matters and their billings automatically for each attorney and officewide; setup rate structures for all employees to maximize productivity and control; billing method can vary; client file, matters and employees are limited by disk space; time entries can be input manually or though the automatic timekeeping mode; minimum billing period is adjustable from 1 to 99 minutes; accounting features include checkbook record keeping and expense reports for user-defined periods; and support for monthly and year-end accounting summaries.
$995 retail; single user
$1,295 retail; multiuser
Syscom, Inc.; 230 Hilton Ave., Ste. 217; Hempstead, NY 11550; 516-481-8201

Legal File Management System
Helps to streamline a law firm
Macintosh with 68030 or larger processor; 5 MB of RAM; 6 MB of hard disk space.

This FileMaker Pro-based system allows users to manage their case load by organizing the mountain of

These Products Available Through Bottom Line Distribution
1-800-347-1923

information in a law office. Using 17 screens for different case information, users can produce reports, documents, form letters, client lists, check conflict of interest and calendaring at the touch of a button. In addition, it has a "Voice Notes" feature that allows users to dictate case notes directly in the computer. The program is very flexible, allowing for customized reports to user specifications or case information records tailored to user requests. Furthermore, it is available in both single and network versions, which gives users great flexibility when it comes time to upgrade or expand. LFMS gives users more time for clients and less time hassling with paperwork.
$795 retail
Computer Consulting Group; 123 S. Figueroa, #713; Los Angeles, CA 90012; 213-617-7787

Legal Practice Made Perfect
Law practice management software
Macintosh Plus or larger; hard disk drive.

Legal Practice Made Perfect includes time and billing, client and matter information, calendar and time management, conflicts of interest management and practice development information in an integrated single entry system. All codes are user assigned and unlimited in number, with lookup lists provided during transaction entry. Features include: an unlimited number of clients, matters and fee agreements; credit limit and maximum authorized fee; unlimited number of billing rates; service and expense transactions; cycle or demand billing with full detail retained after adjustments and billing; invoices and statements; and allocation of partial payments. Conflicts and calendar entries may be accessed using flexible criteria online or through reports. More than 1,500 reports may be output to screen, file or paper for case management, financial management and practice development.
$195 retail
Galactic Salvage, Inc.; 6517 Hillcrest Ave., Ste. 310; Dallas, TX 75205; 214-363-2400

Legal-Acc
Law office accounting and time and billing system
Macintosh with 68030 or larger; 4 MB of RAM.

Legal-Acc is a fully-integrated, multiuser law office accounting and time and billing system. It supports both Windows-equipped and Macintosh computers on the same network. Features include: open architecture and relational database engine; standard and ad hoc reporting; and can be fully customized by end users and consultants. A free demo may be downloaded from CompuServe, Legal forum, library section 11 (i.e., vendors, demos), file name "LEGACC.MAC."
$995 starting price U.S. retail
Legal-Acc Software Systems; 31 Sunnypoint Crescent; Scarborough, Ontario, Canada M1M 1B8; 416-265-6719 (phone/fax)

LexaDocket
Docket, registration and file monitoring system
Macintosh Plus or larger; 1 MB of RAM (2 MB with System 7); hard disk drive.

LexaDocket is a calendaring and docketing application that has been especially designed for law practices. It automatically creates entire case calendars from pre-entered filing periods; all users do is enter the start date. All dates are modifiable. LexaCalendar users can stamp an electronic calendar with appointments until the year 2030. It is fully user-configurable to track appointment status, cancellation history and persons in attendance. A full reporting capability includes reports by date, associate, venue, client, attorney and more. LexaDocket provides an integrated design with LexaFile 2.0.
$299 retail; LexaDocket
$199 retail; LexaClient
$199 retail; LexaCalendar
$299 retail; LexaFile
Customization, groupware and site licensing available
Xram Xpert Systems; Ronald Marx, J.D.; 344 W. 23rd St., Ste. 7C; New York, NY 10011; 212-989-8559

LexaFile 2.0
Legal information and case management system
Macintosh Plus or larger; 1 MB of RAM (2 MB with System 7); hard disk drive.

LexaFile is an integrated legal information management system designed to aid attorneys during daily practice without changing their practice routines. Each of LexaFile's five modules represents a law office component used in daily practice: RoloFile, an electronic address book used for client intake; Legtronic Note Pad, containing daily worksheets and calendar ticklers; LexaCase Support Folder, a litigation companion utility; LexaCalendar, a week-at-a-glance scheduler; and LexaNotes Folder, an all-purpose notes keeper. LexaFile's extremely easy-to-use interface shortens learning time and makes operation simple and enjoyable. Users can retrieve vital information without typing, even while on the telephone. LexaFile verifies data input for dates and telephone numbers, and comes complete with numerous, customizable report templates. LexaFile is an ideal practice support and litigation aide utility for beginning Macintosh users or seasoned veterans. For attorneys needing extra features, low-cost customization of LexaFile can be easily arranged with its developer.
$699 retail; upgrades and on-site licensing are available
Xram Xpert Systems; Ronald Marx, J.D.; 344 W. 23rd St., Ste. 7C; New York, NY 10011; 212-989-8559

LoanLease Library
Loan and lease payment tracking software
Macintosh Plus or larger.

LoanLease Library is a loan and lease payment tracking program. It is designed to handle payments that may be early or late and for varying amounts. Several late payment penalty options are available. For loans, LoanLease Library keeps track of the number of days between payments and the number of days at each interest rate, for loans with changing rates. Several interest accrual methods may be selected. A payment schedule may be generated showing interest and principal distribution, balance due, payment dates and any penalties that may have been charged. For leases, LoanLease Library tracks rental receipts, rent due, other miscellaneous charges and the balance due. A detailed activity summary statement may be generated for leases. All reports may be customized with user-supplied headers and may be copied to the Clipboard so they may be pasted into other Macintosh programs.
$99.95 retail
Softflair, Inc.; 2500 W. County Rd. 42; Minneapolis, MN 55337; 800-553-8338 or 612-894-9716 (fax)

MacBankruptcy
Bankruptcy forms
Macintosh Plus or larger (030 CPU and large or second screen recommended); 2 MB of RAM; hard disk drive; System 6.0.4 or later; LaserWriter or other high-resolution printer.

MacBankruptcy was written by a team of bankruptcy attorneys for the official bankruptcy forms effective August 1, 1991. It prepares Chapters 7, 11, 12 and 13 with minimum keystrokes and mouse clicks. It features a very low ratio of data entry to ultimate data usage. Single clicks allow a user to: build a reusable database of frequently used creditors; enter database creditors from a scrollable list; receive a liquidation analysis; have maximum allowable exemptions selected, calculated and taken; receive a complete fileable Chapter 12 or 13 Plan calculated and drafted by the program; and view any schedule on screen exactly as it will look when printed. MacBankruptcy automatically sorts creditors by debt classification and prints onto appropriate schedules in alphabetical order; calculates and prints Summary of Schedules, complete with page totals and amounts; and prints an address matrix in a format selected by a user (including matrices on disk in Mac or DOS format). No page attachments are needed, and there is an automatic repagination feature where appropriate. Online help includes selected statutes and rules.
$950 retail; single user
$1,600 retail; multiuser
Inexpensive short-term licensing and rent-to-own options available
New Hope Software; PO Box 1306; Mercer Island, WA 98040; 206-232-9247

MacBankruptcy Lite
Bankruptcy forms
Macintosh Plus or larger (020, 030, 040 CPU strongly recommended); 2 MB of RAM; hard disk drive; LaserWriter or other high-resolution printer; System 7.0 or later.

MacBankruptcy Lite is a stand-alone program for general practitioners who cannot justify the expense of more elaborate bankruptcy programs. It generates all of the latest official forms for Chapters 7-13 (Chapter 11 List of 20 Largest Creditors and Exhibit A is not supported in this version.) Forms are those designed by the U.S. Judicial Conference and are accepted in all jurisdictions. Printed on plain paper, each form has an associated WYSIWYG preview window. Summary of Schedules, Address Matrix and Form 8 are prepared automatically, as are all subtotals, continuation pages, alphabetization and classification of debts and assets. Defaults allow users to answer only questions applicable to their client. Pop-up menus, checkboxes and buttons and lists prompt users with possible responses, including exemption. System 7 Balloon Help for each item will coach bankruptcy novices through their first case.
$495 retail
New Hope Software; PO Box 1306; Mercer Island, WA 98040; 206-232-9247

MacEsquireExpress 4.0
Law office management
Macintosh with 68030 processor or larger; 8 MB of RAM; System 6.0 or later (System 7.x recommended); dedicated server for network use.

MacEsquireExpress is an integrated law office practice management application that supports the natural workflow of the modern legal practice. Far more than a sophisticated monitor of activity and expense by associate and client, MacEsquire presents a live and interactive picture of what's going on. As attorneys have begun to use computers, they have begun to create an electronic mountain of data contained in disparate documents that are all related to their practice. MacEsquire provides a natural environment for these documents, with all the activity of a matter to which they relate. These documents, and the various versions of these documents, are now easily and readily accessible, and appear within the context of a user's work. Best of all, these documents may be anything from a Lexis online research session saved to disk to a brief to a scan or a QuickTime clip of a piece of physical evidence in a trial. And it doesn't matter if they're on a local or network drive, floppy disk or CD-ROM. MacEsquire integrates its database and document information with: an online docket, court and appointment scheduling system; time and disbursement billing and accounting; OfficeLink, Synergy's online electronic message bulletin board; multiple mailing list and mail merge; and multiple fund and fund-raising management. All information is queryable both by boolean, wild card and keyword searches on several simultaneous levels.
$795 retail; single user
$179 retail; each additional user (minimum two)
Synergy Marketing Communications, Inc.; 11 Joseph Ct., Ste. 213; Syosset, NY 11791; 516-935-9151 (phone/fax)

MacLaw
Attorney office management
Macintosh with 68030 processor or larger; 4 MB of RAM; hard disk drive.

MacLaw is an office management program for attorneys. The program uses separate windows for different kinds of data. The Client File window allows users to sort matters by case, plaintiff or defendant with user-definable search and sort criteria. The Matter file supports flexible billing and calculates retainer and trust accounting. It also tracks witnesses, experts, opposing counsel and court calendars, and schedules periodically occurring events. The Attorney File window shows receivables and attorney's billings. The Billing window allows users to view receivables by client or matter. The Phone Calls window tracks all incoming and outgoing calls and generates appropriate billing. The Calendar window displays all appointments. The Multiparty and Class Action window allows tracking of multiparty and class-action litigation. Separate modules will be offered for personal injury, bankruptcy, taxation, real estate, patent, trademark, corporate and probate cases.
$8,000 and up retail
Manhattan Software; 1332 Park View Ave., Ste. 104; Manhattan Beach, CA 90266; 310-545-6462 or 310-545-9425 (fax)

Managing Partner
Practice management system
Macintosh LC or larger; 12-inch or larger monitor recommended; System 6.0.5 or later (System 7 required for some features); Helix Express; PostScript-compatible printer or ATM.

Managing Partner is a comprehensive and secure client-server based multiuser practice management system, developed, published and directly supported by practicing attorneys. It integrates the management of case files, clients and all other associated persons; reminders, schedules and work assignments, including the retrieval of externally stored computer documents; business, trust and tax accounting, including laser checks and self-configuring income statements; time and billing; computer assisted document drafting and more. Yet more importantly, it performs these many functions elegantly in an inviting, intuitive and integrated way while fully exploiting the Macintosh interface. Dynamically linked pop-up menus, on-screen command buttons, intelligently computed defaults and very extensive data validation during and after entry ensure accurate, efficient and consistent entries without the need to remember obscure codes or commands and with a minimum of typing. Built-in intelligence constantly watches as users work, alerting them to errors and offering coherent and appropriate explanations if requested.
$2,500 retail; single user
$4,000 retail; multiuser server and two users
$1,000 retail; each additional user
Volume pricing is available
Scaramella & Hoofnagle, Computer Division; I-46 Executive Mews; 1930 Rte. 70 East; Cherry Hill, NJ 08003; 609-424-2100 or 609-424-4896 (fax)

Nolo's Living Trust
Creates a probate-avoiding living trust
Macintosh Plus or larger; 1 MB of RAM; 800K disk drive; System 6.0.1 or later.

Nolo's Living Trust is an easy-to-use software package that lets users create their own living trust documents. Users can avoid the time and cost of probate, transfer property to heirs — quickly and easily, keep financial affairs confidential and avoid excessive lawyer's fees. Every key legal term and concept is explained in an online glossary and more than 100 legal help screens. Both married and single users can use the program. Users can change or revoke a trust at any time. Nolo's Living Trust is valid in all states, except Louisiana. It is System 7 compatible.
$79.95 retail
Nolo Press; 950 Parker St.; Berkeley, CA 94710; 510-549-1976, 800-992-6656 (orders) or 510-548-5902 (fax)

Office Wiz Pro For Law
Office management for law offices
Macintosh LC II or larger; 5 MB of RAM; laser printer.

Office Wiz Pro for Law is an integrated case management and time/billing program. It is ideal for the solo practitioner or small-to-medium-size law firm. Office Wiz combines key tasks into a single applications, including case and contact management, docketing, time/billing and accounting. Office Wiz comes with a calendar function with daily reminders. The program also provides extensive flexibility in setting billing rates and invoice formats, and modifying charges. The accounting function supports trust accounts and check writing. Powered by a relational database, Office Wiz comes with a report generator and internal word processor.
$795 retail; single user (multiuser available)
Oryx Associates; 1867 Union St., Ste. B; San Francisco, CA 94123; 415-563-9971 or 415-563-0238 (fax)

The Para Mason's Bar Review
Multistate bar exam simulator
Macintosh Plus or larger; HyperCard.

With The Para Mason's Bar Review, first-, second- and third-year law students can actually practice taking the multistate bar exam today. It enables users to take a simulated multistate bar exam under the test conditions likely to occur in an actual exam. The program produces one trillion exam simulations and provides users with immediate feedback on incorrect answers with detailed explanations. Subject areas include Contracts & Sales, Torts, Criminal Law, Professional Responsibility, Real Property and Evidence.
$300 retail; free demo disk available
En Fleur Corp.; 124 Fairview Rd.; Louisburg, NC 27549; 800-727-2643 or 919-556-1623 (fax)

■ **PowerLaw**
Legal practice management system
Macintosh with 68030 processor; 4 MB of RAM (8 MB recommended).

PowerLaw is a comprehensive and integrated legal practice management system, utilizing the power of a truly relational and document-centric database. PowerLaw provides users with a fully integrated, and scalable, legal practice management system that enables users to run their practice more efficiently and effectively. PowerLaw combines Client and Personnel Management, Matter Tracking, Time and Billing, Document Management, Docket and Calendar, Intra-office Communication and Correspondence Writing into one integrated environment. PowerLaw seamlessly works with other applications already in use, so users can combine the power of their existing applications with the integrated functions of PowerLaw. PowerLaw can be set up as either a single-user or Client-Server solution, depending on specific needs.
$2,100 retail; single user (call for pricing on multiuser discounts)
Articulate Systems, Inc.; 600 W. Cummings Park, Ste. 4500; Woburn, MA 01801; 617-935-5656, 800-443-7077 (sales info) or 617-935-0490 (fax)

Practice Made Perfect Calendar
Calendar and docket control, time management, client and matter information
Macintosh Plus or larger; hard disk drive.

Practice Made Perfect Calendar includes calendar and docket control, time management and client and matter information in an integrated single-entry system. Entries may be rule-based or individual, with any number of action templates created by a user. All action and location codes are user assigned and unlimited in number, with lookup lists provided during transaction entry. Allowed are an unlimited number of calendar entries, clients and matters. Entries may be prioritized. Calendar entries may be accessed online, or through reports by deadline or target date, sorted by date and time, timekeeper, client, matter, action, location or priority. System information is available in merge (tab delimited) format for use with other applications. Reports may be output to screen, file or paper for case management and practice development.
$295 retail
Galactic Salvage, Inc.; 6517 Hillcrest Ave., Ste. 310; Dallas, TX 75205; 214-363-2400

Ready For Trial!
Transcript management and analysis software
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; System 6.0.2 or later.

With Ready For Trial!, users are able to analyze and summarize transcript material, such as deposition testimony and exhibits, by issue, exhibit or date of facts across any combination of witnesses. Full text search (indexed, Boolean capabilities) and a Keyword feature allow users to find any text across multiple transcripts. Sixteen different report formats give users total control of testimony in the case. The program can export all data in a choice of five different file formats for use with many other database, outliner or word processing packages. Ready For Trial! uses standard ASCII files, available from most court reporters.
$995 retail
Robins Analytics, Inc.; 245 E. 6th St., Ste. 821; St. Paul, MN 55101; 612-224-1289, 800-767-3239 or 612-224-2633 (fax)

Sonar Professional
Text-retrieval system
Macintosh Plus or larger.

Sonar Professional is designed for sophisticated retrieval and analysis of massive amounts of text. Sonar Professional searches freeform text in multiple files without requiring a user to setup a database. It differs from simple multifile text retrieval utilities by using high-speed dictionary techniques that reduce search time from hours to seconds. Boolean, wildcard, proximity, phonetic and synonym searching are supported. A key feature of the program, automatic hypertext, allows a user to interrupt a search at any point to add a note or perform other searches. The program can find and link specified words or phrases to "related" text. Sonar Professional can generate reports, allows for explorations at an infinite number of levels, limited only by available memory and disk space, and searches 10,000 pages per second. It supports popular file formats.
$795 retail; free demo disk available
Virginia Systems, Inc.; 5509 W. Bay Ct.; Midlothian, VA 23112; 804-739-3200 or 804-739-8376 (fax)

Time$aver Law Office Management System
Integrated financial management and practice management
Macintosh Plus or larger; hard disk drive.

Time$aver is a professional database application that recognizes the necessary connection between the time, schedules, expenses and finances of legal professionals. It goes beyond being a reliable and easy-to-use time keeping and billing (practice management) system, as well as being a complete financial management system, by linking all key aspects of a legal practice's management. Along with providing virtually unlimited numbers of users, clients, matters, time and disbursement records and accounting records, it also provides users with the flexibility to enter data and obtain reports in ways that can be customized. Subject to password protection, any user can have prompt access to the entry and display or printing of current information about services performed, costs incurred, things to do, reminders, memos, client funds, receivables, general ledger and more.
$1,695 retail; single user
$2,195 retail; two users
$100 retail; each additional user
A demo is available
PowerSoft Innovations Corp.; PO Box 2306; Dawson Creek, BC, Canada V1G 4P2; 604-782-3322 or 604-782-1212 (fax)

WestCheck
Citation-checking package
Macintosh Plus or larger; System 6.0 or later.

WestCheck is an automated citation-checking software package that allows users to verify citations in a brief or other document or in a manually entered citations list. WestCheck automatically extracts citations from briefs, verifies them, lists them for review and modifications and then checks them with remarkable speed using Insta-Cite, Shepard's and Shepard's PreView. Results can be offline printed, downloaded or mailed to users. WestCheck provides users with many useful features, including custom limits for Shepard's and Shepard's PreView, pull-down menu options; automatic access to Westlaw; automatic entry of a user's Westlaw password; a new tutorial; file management features (browse, print, rename and delete); store-to-disk capabilities, including full document downloading in word processing formats; and various printing capabilities, including offline, dual column printing on attached PostScript printers, which produce pages similar to those in a West Reporter.
Initial subscription free to Westlaw subscribers
Site license upgrade fee
West Publishing; 620 Opperman Dr.; Eagan, MN 55123; 612-687-7000, 800-328-9352 or 612-687-7302 (fax)

WillMaker 5.0
Self-help legal software
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.4 or later.

WillMaker 5, Macintosh, is the latest upgrade to self help legal software. This version offers two important new estate-planning modules, the living will and final arrangements document, as well as numerous other program improvements. The program still features an easy-to-use interview format that takes users through each document step by step, asking questions in plain English and comprehensive legal help, both online and in the printed manual. Plus users get maximum protection for their children— users can name a guardian, a property guardian, create a children's trust or use the Uniform Transfer to Minors Act. WillMaker is valid in all states except Louisiana. It is System 7 compatible.
$69.95 retail

These Products Available Through Bottom Line Distribution
1-800-347-1923

Nolo Press; 950 Parker St.; Berkeley, CA 94710; 510-549-1976, 800-992-6656 (orders) or 510-548-5902 (fax)

Vertical Markets/Library Management

Alexandria
Library automation and management
Macintosh Plus or larger; hard disk drive.
Alexandria provides library automation with advanced technology and a large install base for the Macintosh. It keeps track of circulation and inventory, provides statistical analysis of library and collection utilization and manages subscriptions and acquisitions. It also offers a powerful catalog with advanced searching capabilities, including easy-to-use phonetic "sounds-like" and Boolean logic searches. Alexandria is fully MARC compatible and integrates directly with Brodart's Precision One reference CD-ROM using COMPanion's exclusive SmartMARC technology. Alexandria Professional MU (multiuser version) is accessible from all networked computers and is currently assisting librarians in the K-12, University and business markets, both domestically and overseas. COMPanion also offers Textbook Librarian for quick and easy management of textbooks.
$1,195 to $4,395; educational price range
Call for free demo disk
COMPanion, Library Automation Division; 1831 Fort Union Blvd.; Salt Lake City, UT 84121; 801-943-7277, 800-347-6439 or 801-943-7752 (fax)

LibraryBrowser
Public-access catalog for libraries
Macintosh Plus or larger; System 6.04 or later.
LibraryBrowser is an online public access catalog to assist the public in their search of a library's catalog. Icons represent catalog card drawers searchable by author, title, subject, keyword or call number. LibraryBrowser locates the desired items with information regarding their availability. Complete information for an item appears in the form of a catalog card by double-clicking on the item with the mouse. Icons for a printer or disk are double-clicked to print search results or to create a file for the import of search results into a word processing document. LibraryBrowser allows the retrieval of multimedia documents including images, sounds, video and computer files. Farallon's Replica document sharing program is bundled with each copy of LibraryBrowser.
$269 retail; site and organization licenses available
CASPR; 635 Vaqueros Ave.; Sunnyvale, CA 94086; 408-522-9800, 800-852-2777 or 408-522-9806 (fax)

■ **LibraryBrowser For Newton**
Public library search on Newton
Newton 100 or 110; System 1.0.4 or later.
LibraryBrowser for Newton allows users to search their library using Apple's Newton Personal Digital Assistant computer. All library programs that can export MARC records can be used with LibraryBrowser for Newton. A special software program called the Library Connection Kit converts the MARC records into a format compatible with LibraryBrowser for Newton. The data is then downloaded to the Newton through a simple file transfer protocol. LibraryBrowser for Newton is designed to allow catalog searching at any location and at any time. Users can search the stacks while in the stacks. Professionals can do research and build bibliographies at their desks, home or in meetings. Libraries can carry the entire library with them to the bookstore or to a tradeshow to verify holdings before purchases.
$49 retail
CASPR; 635 Vaqueros Ave.; Sunnyvale, CA 94086; 408-522-9800, 800-852-2777 or 408-522-9806 (fax)

LibraryDisc
CD-ROM databases with current events and technical information for use in libraries
Macintosh Plus or larger; System 6.0.7 or later; CD-ROM drive.
LibraryDisc is a collection of CD-ROM databases that deliver the information resources of the library and of respected publishers (through abstracts of newspaper, magazine and journal articles, library cataloging entries and other publications) to a user's desktop at home or at the office. Searching capabilities include left and right truncation and Boolean operators in the author, title, subject and keyword indexes. Titles released in 1994 include: MARC for Schools and National Newspaper Abstracts. CASPR has ambitious plans to offer additional business, legal and current events CD-ROM databases in 1995.
$395 to $1,295 retail; depending on database
CASPR; 635 Vaqueros Ave.; Sunnyvale, CA 94086; 408-522-9800, 800-852-2777 or 408-522-9806 (fax)

■ **LibraryServer**
Provides dial-in access to search multiple libraries
Macintosh Plus or larger; System 6.0.4 or later.
LibraryServer is a network application that provides users with the capability of searching multiple libraries without having to access each one separately. LibraryServer also provides dial-in access using TTY terminal protocols. This allows all forms of terminals and computers to search a library and allows the user's library to participate in the Internet as a GOPHER server. Library Server is a Z39.50 server that allows the user's library to be searched by other users over the information highway. LibraryBrowser will also have Z39.50 client support to allow it to search other libraries not built or managed by LibraryWorks. This provides access to public libraries from user stations using LibraryBrowser.
$1,000 retail
CASPR; 635 Vaqueros Ave.; Sunnyvale, CA 94086; 408-522-9800, 800-852-2777 or 408-522-9806 (fax)

LibraryWorks 2.0
Integrated library system
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; System 6.04 or later.
LibraryWorks is an integrated library system designed with the cooperation of the Apple Corporate Library. LibraryWorks offers four modules as part of its basic package: the catalog, acquisition, circulation and serials modules. An online public access catalog, LibraryBrowser, is available as a separate item. LibraryWorks is designed in C and features inverted phrase and keyword indexes for fast data retrieval, relational databases for integration of records across all modules and hierarchical record structure. All of the power and intuitive features of the Macintosh are available through icons, graphics, pull-down menus and visible commands. LibraryWorks provides for the storage and retrieval of multi-media documents including images, sounds, video and other computer files. Farallon's Replica Creator and Viewer is bundled with each product. Replica allows sharing of documents without concern for applications that created them.
$1,795 retail; site and organization licenses available
CASPR; 635 Vaqueros Ave.; Sunnyvale, CA 94086; 408-522-9800, 800-852-2777 or 408-522-9806 (fax)

Mac Card
Formats and prints catalog cards and book pocket and spine labels
Macintosh Plus or larger.
Mac Card is designed to reduce the time spent on this meticulous, yet tedious chore. Users input the information, and the computer becomes a specialized word processor that automatically formats and prints catalog cards, as well as book pocket and spine labels. It also works well with audiovisual materials and software. Users can retrieve the information and print at their convenience. The program will print as many copies as needed.
$269 retail
K-12 MicroMedia Publishing, Inc.; 6 Arrow Rd.; Ramsey, NJ 07446; 201-825-8888, 800-292-1997 or 201-825-0582 (fax)

Mac School Library Pro V.1.0
Catalog and circulation system
Macintosh Classic or larger; System 6.0 or later.
Mac School Library Pro is a calendar-based, integrated catalog and circulation system. It stores extensive bibliographic information and offers flexible Boolean search capabilities, with easy access to circulation status. Circulation procedures flag delinquent patrons, trap books on hold and calculate overdue fines. Book labels, catalog cards and overdue notices can be printed. The system maintains up to 4,000 borrowers and 65,000 books. Data can be entered manually into the system or imported directly from MARC or MicroLIF records. The password protection system allows passwords to be created for groups or individuals. Access levels can be specified for each function within Mac School LibraryPro for each group or individual with a password. Light pens and bar codes can be used for book or patron IDs.
$950 retail; single user
$1,500 retail; multiuser
District site licenses available
Chancery Software, Ltd.; 4170 Still Creek Dr., Ste. 450; Burnaby, BC, Canada V5C 6C6; 604-294-1233, 800-999-9931 (orders) or 604-294-2225 (fax)

Mac The Librarian Card Printing
Produces catalog cards
Macintosh Plus or larger; Mac the Librarian Public Access Catalog.
Card Printing is the third module in the Mac the Librarian suite of programs. It enables librarians to produce sets of AACR-2 formatted catalog cards. Book pocket, card and spine label sets may also be printed for each item in the collection. The module fully integrates with both the Public Access Catalog and the Circulation modules of Mac the Librarian.
$300 retail
Richmond Software Corp.; 3960 Fallbrook Dr.; Duluth, GA 30136; 404-623-4898 or 800-222-6063

Mac The Librarian Circulation
Library management system
Macintosh Plus or larger; Mac The Librarian Public Access Catalog.
Circulation is the second module in the Mac the Librarian suite of programs. It incorporates the use of bar-code technology to create transactions between patrons and items. This module permits a librarian to totally automate the circulation process by handling loans, reserves, overdues, holds, notices and inventory. Quick entry of non-cataloged items for circulation is available, and barwand-only interaction with the database is available to speed the transaction process. Users may have access to charge, renew, cancel and reserve functions simultaneously. Circulation statistics are generated on an as-needed or specified-period basis. There is no limit to the number of annual circulation transactions, overdues or reserves the system will handle.
$500 retail; multiuser version is available
Richmond Software Corp.; 3960 Fallbrook Dr.; Duluth, GA 30136; 404-623-4898 or 800-222-6063

Mac The Librarian Public Access Catalog
Library management system
Macintosh Plus or larger.
The first module of Mac the Librarian is the Public Access Catalog. This module is designed to either partly or completely replace the card catalog in a library. It maintains authority files for authors, subjects and series. The capacity of a user's hard disk is the only restriction on the size of the collection. Full MARC records require an average of 3.5K of storage (i.e., every 10,000 items require 35 MB of storage). Each item in the collection may have up to four author/added entries, two series statements and 10 subjects or keywords. A complete password protection scheme prevents unauthorized entry to restricted areas, such as data entry, and automatic saving and log files may be activated by a user. Data from other automation systems (IBM, Apple or Macintosh), MARC records or MicroLIF records may be uploaded to the database. The system operates in either color or black and white.
$995 retail; single user
$1,495 and up retail; multiuser
Richmond Software Corp.; 3960 Fallbrook Dr.; Duluth, GA 30136; 404-623-4898 or 800-222-6063

MacCards
Catalog card and label production program
Macintosh Plus or larger; System 6.04 or later; ImageWriter I or II or LaserWriter.
MacCards is a catalog card and label production program for libraries. It offers several options for the format and production of catalog cards and labels. All of the power and intuitive features of the Macintosh are available through icons, graphics, pull-down menus and visible commands. With MacCards, a library builds an unlimited database of bibliographic records that can

be searched, edited and re-used at any time, while satisfying the immediate need for catalog card production.
$269 retail
CASPR; 635 Vaqueros Ave.; Sunnyvale, CA 94086; 408-522-9800, 800-852-2777 or 408-522-9806 (fax)

■ **MARCReader 2.0**
Utility to open and to display MARC records in readable format
Macintosh Plus or larger; System 6.0.4 or later.

MARCReader is a utility program written to open and to display MARC records in a readable format. The program was written at the suggestion of the Library of Congress. MARCReader is compatible with all MARC records. Users can display the MARC records outside of the library system in which they will be used. The leader information, fixed fields, tags, sub tags, leading indicators and variable length fields are all displayed. Users can browse and search a complete file of MARC records that contain specific information. Each MARC record can be viewed but not edited. A single MARC record can be deleted without affecting other records in the file.
$69 retail
CASPR; 635 Vaqueros Ave.; Sunnyvale, CA 94086; 408-522-9800, 800-852-2777 or 408-522-9806 (fax)

Stauffer Gold
Newspaper library system
Macintosh Classic or larger; hard disk drive; System 6.0.4/Finder 6.1.4 or later.

The Stauffer Gold newspaper library system uses optical disks for storage of stories. It features automatic filing and retrieval of stories, plus interfacing with most popular editorial front-end systems. The system may be used on AppleShare. Other features include: every word in every headline and story are automatically indexed for a full-text search; a selective-vocabulary quick search; short-cut proximity and wild card searching; search by date, reporter, category and newspaper name; stories that are found are displayed in an easy-to-use list by headline, date, reporter, category and newspaper name; key words can be manually added to text; users may change, delete or print all or part of the story list or text; the capability to copy to other disks; a full screen of text is provided with headlines; search words are highlighted on screens and printouts; and more. Stauffer Gold is System 7 compatible.
$4,995 retail
$795 retail; photo archive feature
Stauffer Media Systems; 3316 E. 32nd St.; Joplin, MO 64802; 417-782-0280

Winnebago Cat For The Macintosh
Materials management
Macintosh with 68020 processor or larger; 4 MB of RAM; 1.4 MB floppy drive; System 6.0.5 or later.

Winnebago Cat for the Macintosh lets users look up materials using 1, 2, 3 keywords or phrases. It searches using Boolean logic and materials can be looked up by subject, title, author, keywords, notes and call number. The program stores USMARC records and prints bibliographies. It can also print keyword lists, material lists, subject lists and usage reports. The program is easily networked.
$1,495 retail
Winnebago Software Co.; 457 E. South St.; Caledonia, MN 55921; 507-724-5697, 800-533-5430 or 507-724-5711 (fax)

Winnebago Circ For The Macintosh
Circulation management
Macintosh with 68020 processor or larger; 4 MB of RAM; 1.4 MB floppy drive; System 6.0.5 or later.

Winnebago Circ for the Macintosh stores up to 300,000 materials and can serve up to 100,000 patrons. It checks in, checks out, renews and reserves materials with the keyboard or barwand. Materials and/or patrons can be added on the fly while in circulation. Materials can be looked up by subject, title, author, material number, patron name and number, and call number. Winnebago Circ can print a wide variety of reports on patrons and materials, including helpful statistics. It also calculates and tracks overdue fines until paid and is easily networked.
$1,495 retail
Winnebago Software Co.; 457 E. South St.; Caledonia, MN 55921; 507-724-5697, 800-533-5430 or 507-724-5711 (fax)

Vertical Markets/ Manufacturing

A-Plan
Assembly manufacturing process planning software
Macintosh Classic or larger; 4 MB of RAM; 20 MB hard disk drive.

A-Plan is assembly manufacturing process planning software. Traditional text descriptions of assembly operations may be combined with color frame grab images, full-color video with sound of assembly procedures, sound tracks for verbal directive to assemblers (in any language), CAD vector graphics and scanned graphics to form multimedia assembly procedures. The system includes shop floor data entry and validation for performing computer-based calculation and data entry. Online and Balloon Help is provided. Material lists are coordinated with assembly operations at all times. Also included are: inspection subsystem for viewing and logging inspection procedures; employee skill matrix for log control that only permits access to assembly personnel with required skills; supervisor authorization by employee badge number to activate edit mode; and distribution subsystem for date and time effectivity control of assembly instructions by part number and shop floor workstation. Full data compression of 32-bit color imaging is provided (up to 50 to 1 compression for still images and video). TIFF add-on support is available for decompression and display of CCITT Group III-1D, III-2D and IV, A through E-size and larger originals and gray display from bi-tonal data (no added hardware needed).
$495 retail
Microneering; 211 E. Culver Blvd., Ste. Q; Play Del Rey, CA 90293; 310-306-1153 or 800-423-0814

AmeriChem AutoPlate
For real-time monitor and control of metal finishing operations
Macintosh II; 2 MB of RAM; color monitor.

AutoPlate is a software package for the real-time monitor and control of plating and metal finishing operations. Featuring an advanced random-loading algorithm, AutoPlate automatically controls hoist movement, process times, rinse flows, filtration, fill and drainage, pH/conductivity, rectifiers and ultrasonics. Initial set-point temperature and deviation tolerances may be specified for heated tanks. An easy-to-use recipe file allows the rectifiers to step current up or down, with up to five steps possible. Data collection/storage capabilities are available for date, time, part type, lot number, operator ID and process parameters. The user interface is custom designed to suit a customer's wet processing setup. The price depends on the number of stations, I/O requirements and the complexity of the recipes.
Call for pricing
AmeriChem Engineering Services; 3430 E. Broadway; Phoenix, AZ 85040; 602-437-1188 or 602-437-4860 (fax)

AnaView
Allows users to control and monitor Anafaze loop controllers from a Macintosh
Macintosh Plus or larger; System 6.0.4 or later.

AnaView allows National Instruments' LabVIEW program to connect to Anafaze controllers and networks. The Anafaze 8-loop, 12-loop and System 32 controllers are ideal for small and medium-size control projects, especially temperature control applications for the food, chemical and biotech industry. Anafaze controllers combine loop control and discrete I/O in one small package. AnaView allows users to quickly create LabVIEW applications that communicate to Anafaze controllers. It supports both point-to-point and multidrop configurations. Nearly 100 VIs (Virtual Instruments) are included.
$795 retail
SEG; 1 Dana St.; Cambridge, MA 02138; 617-492-6664 or 617-661-6483 (fax)

Applied Stats
Integrated statistical process control workstations and factory networking
Macintosh Classic or larger.

Applied Statistics, Inc. is a developer of turnkey industrial workstations that fully automate data acquisition on a real-time basis for SPC and process monitoring. Turnkey systems include gages or sensors, the computerized WorkStation, Applied Stats software, installation, training and service to ensure full system operation and optimum return on investment. Applied Statistics' WorkStations interface with a wide variety of hand gaging, multigaging, CMMs and other sensing devices. The system gathers, calculates and graphically displays data that makes an operator's job of implementing SPC easy, fast and accurate. Multigaging improves measurement consistency by engineering out the source of gaging variability. Variable, Attribute and Short Run SPC analysis is provided.
Call for pricing
Applied Statistics, Inc.; 3080 Centerville Rd.; St. Paul, MN 55117; 612-481-0202, 800-331-1068 or 612-481-0410 (fax)

Applied Stats Analyst
Provides production review and offline SPC analysis
Macintosh Classic or larger.

Applied Stats Analyst is designed to integrate with the production version of the software and provide production review and offline SPC analysis, but without the comprehensive data acquisition capabilities of the standard Applied Stats package. It reads and edits Applied Stats files directly and continues to allow customization of the import and export file format so that all ASCII files, which may contain data from experiments or other analytical tools, can be read directly and easily.
Call for pricing
Applied Statistics, Inc.; 3080 Centerville Rd.; St. Paul, MN 55117; 612-481-0202, 800-331-1068 or 612-481-0410 (fax)

Assembly View 2.0
Design For Manufacture (DFM) analysis tool
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later.

Assembly View allows engineers to perform Design For Manufacture (DFM) evaluations quickly and intuitively during conceptual design, before parts and processes are specified in detail. At its core is a proven Design For Assembly (DFA) methodology, developed by Westinghouse Electric Corporation and enhanced by Sapphire, aimed at eliminating unnecessary parts and maximizing ease of assembly. Assembly View predicts assembly times and calculates manufacturing costs, part counts and part standardization measures. Assembly View can be customized with Custom View to include a company's parts and process capabilities.
$1,500 retail
Sapphire Design Systems, Inc.; 845 Oak Grove Ave., Ste. 115; Menlo Park, CA 94025; 415-321-3595 or 415-321-8245 (fax)

Autovision
Industrial machine vision system
Macintosh Quadra and Power Macintosh family; 12 MB of RAM.

Autovision is an industrial machine vision system for automatic inspection of manufactured parts. The system measures more than 200 geometric quantities, such as distances, angles, areas, roundness, part count and part registration, as well as feature location and offset and template matching qualities. The measurements can be calibrated to real world units. The system acquires images from standard video sources, analyzes images using processing techniques that include pixel counting, connectivity, gray scale, normalized correlation, Hough transform, mathematical morphology and local convolution operators, with results automatically interfaced to other factory equipment using user-selectable digital, analog or IEEE-488 I/O. A programming environment is also available for customizing (scripting) the application in an interpretive language or in C. Application areas include gauging, assembly verification, flaw detection and product identification.
$12,250 to $20,180 retail; pricing varies upon configuration

These Products Available Through Bottom Line Distribution
1-800-347-1923

Acuity Imaging, Inc.; 9 Townsend West; Nashua, NH 03063; 603-598-8400 or 603-598-4684 (fax)

Barrage
Bar-coded document production
Macintosh Classic or larger or PowerPC; hard disk drive; System 6.0.3 or later; bar-code or Macintosh-compatible printer.

Incorporating graphical document layout features, diverse data-flow capabilities and flexible print-control mechanisms, Barrage provides an easy-to-use tool for designing and producing bar-coded documents, labels, tickets and tags. Most bar-code symbologies are supported, and users can print on laser printers or Intermec, Zebra and Fargo bar-code printers. Turnkey systems are available.
$500 to $875 retail
Kessler•Rollins, Inc.; 6049 Douglas Blvd., Ste. 7; Roseville, CA 95746; 916-791-5171 or 916-791-5156 (fax)

Bill Of Material
Bill of material package
Macintosh SE or larger; hard disk drive; 2 MB of RAM and accelerator board or Macintosh II highly recommended; Double Helix.

Bill Of Material is a complete bill of material package designed for users of Odesta's Double Helix II DBMS. It can handle an unlimited number of ingredients per formula, or parts per item and an unlimited number of subassemblies or subformulas with no restriction on the number of structure levels. The program will handle multilevel costing, costing from purchased items up each level to the finished product and multilevel production capability working from the end product down through subassemblies to purchased raw materials. Inventory is kept track of by stock on hand, quantity ordered and quantity reserved. A consolidation module is provided that gives a consolidated picture of the total amount of each material needed to complete a finished product, along with its usage distribution in the various subformulas or subassemblies. Also provided is a where-used capability to show all products using a specified raw material.
$2,500 retail; Base price (custom modifications upon request)
$395 retail; Customer and Order Entry Skeleton
$395 retail; Vendor and Purchase Order Skeleton
Macintosh Business Systems, Inc.; 3 Country Ln.; Mamaroneck, NY 10543; 914-698-7215

■ **Business Partner**
Inventory management
Macintosh SE/30 or larger; 4 MB of RAM; System 6.0.2 or later; hard disk drive.

Business Partner provides general functions such as purchase orders, receiving/receipts, invoicing or monthly statements, shipping/packing lists, stock transfers and financial, which includes checking, client statements and book keeping. Business Partner has the ability to handle complex inventory control issues. Stock can be placed in either general inventory or segregated by project. This means an item can be stocked in as many locations as desired and grouped with other related stock items. On creation of a new project, the search function will locate every instance of the stock item and enable stock transfers between existing projects and the new project. Shortage lists can be generated for a project based on what is missing or short in current inventory, and "request for quote" faxable forms can be produced to issue to potential suppliers. Reports are available to show previous suppliers and pricing on any given stock item. Master part numbers can be assigned and cross referenced for similar parts from multiple manufacturers. Customization services are also available.
$750 retail
Power Services of N.E. Inc.; 25462 Calle Jardin; San Juan Capistrano, CA 92675; 714-496-7143 (phone/fax)

BusView
LabVIEW drivers for AEG/Modicon PLCs
Macintosh Plus or larger; System 6.0.4 or later.

BusView allows users to control and monitor Modbus devices from a Macintosh. BusView links National Instruments' LabVIEW program to AEG/Modicon Programmable Logic Controllers (PLCs). Process engineers and systems integrators can quickly create LabVIEW MMIs to supervise AEG/Modicon PLCs or any Modbus device. With BusView, LabVIEW can read and write discrete and analog values stored in AEG/Modicon 984, 884, 584, 484 and 384 series controllers. ASCII and RTU framing methods are supported. BusView will connect to any device conforming to the Modbus Protocol Standard published by AEG/Modicon; this includes dozens of controllers made by third-party vendors.
$795 retail
SEG; 1 Dana St.; Cambridge, MA 02138; 617-492-6664 or 617-661-6483 (fax)

CaliachMRP
Professional, multiuser manufacturing management system
Macintosh Plus or larger; hard disk drive; printer; server for multiuser; Omnis 5.

CaliachMRP provides an integrated manufacturing control system for multicurrency quotes, sales orders and purchase orders; multilocation inventory management with LIFO, FIFO and average cost options; integrated engineering data with graphics; multilevel Bills of Material with Where Used and Cost Roll-up capabilities; selection options for demand to drive MRP; interactive production scheduling and capacity planning; shop floor data collection for cost and performance information on work centers, operations and people; vendor quality rating capability; cash flow and financial planning; what-if analysis and ad hoc reports; and Accounts Payable, Receivable, General Ledger, Asset Register and Ledgers Manager. Unique features include an open, documented database with linkage to user-developed code; special import and export routines; comprehensive user-expandable online help; USA, plus Canadian and European VAT sales tax; explicit user security control; and ISO 9000 support. CaliachMRP can be used on a mixed network with PC compatibles under MS Windows.
$5,000 and up retail; multiple users
$2,600 extra retail; for mixed platforms
$49 retail; demo
$2,995 retail; two-month trial program
Caliach Inc.; 2558 Crosby Rd.; Wayzata, MN 55391; 612-475-3402 or 612-449-9736 (fax)

The Controller Series
Accounting package for manufacturers and distributors
Macintosh Classic or larger; System 6.0.4 or later.

The Controller Series is a totally integrated, online, multiuser accounting package for manufacturers and distributors that includes MRP II, purchasing, shop floor control, inventory control, job costing, order entry with product/order configuration, accounts receivable, accounts payable and general ledger. The system includes more than 300 management reports and allows bar-code data entry. The Controller also integrates with Great Plains Accounting Payroll, AP, AR and GL, and has consolidated, multicompany reporting through Great Plains. It is seamlessly cross-platform, using the Macintosh and Windows platforms over a variety of networks. A true Graphical User Interface (GUI) makes The Controller extremely accessible. Total system integration means data is entered once, and flows through to all appropriate modules. It calculates all manufacturing requirements, shop floor scheduling, purchasing requirements, etc., from data entered as daily functions are performed. It helps any size business gain better control of production and financial operations in an easy-to-implement and -understand system.
$4,940 to $26,990 retail
Qube Connections, Inc.; 33862 Mariana Dr., Ste. A; Dana Point, CA 92629; 714-240-6644 or 714-240-6753 (fax)

Diagnostic Advisor 2.2
Software tool for rapid development of intelligent industrial diagnostic systems
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0 or later.

Diagnostic Advisor is a software tool that can help reduce machine and equipment downtime and other problems that relate to malfunctioning machinery, such as rework, scrap, work-off, equipment slowdowns, environmental hazards, etc. Systems built with Diagnostic Advisor provide these benefits by speeding up diagnosis and repair of machinery, equipment and process malfunctions. It is an easy-to-use tool that guides users step by step through diagnosis, repair procedures and restart/setup procedures through pictures, photos, schematics and text. Version 2.2 adds the ability to hook to other data sources, such as CMMS, SPC, spreadsheets, PLCs and sensors.
$6,800 and up retail
Emerald Intelligence, Inc.; 3915-A1 Research Park Dr.; Ann Arbor, MI 48108; 313-663-8757 or 313-663-5284 (fax)

FranklinBHR For Macintosh
Automates the process of obtaining a Budgeted Hourly Rate (BHR)
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.7 or later.

The FranklinBHR is a unique software program developed to automate the process of obtaining a Budgeted Hourly Rate (BHR). It is a concise tool in helping users establish these important rates. After identifying specific information, the FranklinBHR can generate a variety of detailed reports that break down each item in the particular cost center. The reports produced are Specifications of operation, Fixed costs, Variable costs, Manufacturing costs and finally All-inclusive costs. The object of developing a BHR is to accurately reclaim all costs incurred in the production, administration and sales of a product. The procedure must include all elements of cost for which the customer must pay for, such as material and equipment costs. Cost recovery is a very critical procedure. The power behind the FranklinBHR is its accuracy in reflecting company costs without inflating or minimizing them.
$50 retail
Franklin Estimating Systems; PO Box 16690; Salt Lake City, UT 84116; 800-346-7363 or 801-322-5822 (fax)

HighwayView
Allows users to control and monitor Allen-Bradley equipment, including an entire factory, from a Macintosh
Macintosh Plus or larger; System 6.0.4 or later.

HighwayView allows National Instruments' LabVIEW program to connect to Allen-Bradley Data Highway/Data Highway Plus networks. It allows users to quickly create LabVIEW applications that communicate to Allen-Bradley asynchronous interface modules connected to PLC-2, PLC-3, PLC-5 and SLC-500 programmable logical controllers. It supports both point-to-point and multidrop configurations. Also included are sample VI (Virtual Instrument) to upload and download PLC programs and VI to interactively examine data tables in PLCs. Ethernet support available for 5/20e, 5/40e, etc.
$795 retail
SEG; 1 Dana St.; Cambridge, MA 02138; 617-492-6664 or 617-661-6483 (fax)

Image Analyst
Scientific image processing and analysis
Macintosh Quadra and Power Macintosh family; 12 MB of RAM.

Image Analyst is a menu-driven image processing and analysis software package. This intuitive interface allows users to quickly apply the latest image processing algorithms without the complexities of traditional programming. It is designed to process both live video and stored image files, and to extract quantitative data. Image Analyst comes with an extensive set of interactive image examination tools, image processing routines and powerful image analysis options. Image processing capabilities include user-configurable linear and non-linear filters, intensity scaling, pseudo-color and mathematical morphology. Image analysis options include pixel counting, connectivity analysis, gray-scale analysis, edge detection, Hough transforms, normalized correlation, dimensional measurements and statistics. Two distinct methods of analyzing an image are provided: Interactive Analysis and Automatic Sequencing. Interactive Analysis lets users use graphical interface tools to display and analyze an image. Automatic Sequencing allows users to create a macro-like sequence of image processing steps that can be repeated with a single key stroke. The latest version includes the capability of creating irregular regions of interest.
$2,000 retail

Acuity Imaging, Inc.; 9 Townsend West; Nashua, NH 03063; 603-598-8400 or 603-598-4684 (fax)

Image Analyst/Source
Image processing and analysis
Macintosh Quadra or Power Macintosh family; 12 MB of RAM.

Image Analyst/Source provides the same menu-driven applications as Image Analyst, but in an open and user-customizable form. Image Analyst/Source is an easy-to-use method for modifying Image Analyst using MacRAIL, a high-level language environment. MacRAIL can be used to modify the source code and access the complete Automatix Imaging and Guidance libraries. With Source, users can add their own custom algorithms, interface to serial, digital and analog I/O and generate customized applications, including pull-down menus and dialog boxes under the Macintosh user interface. The Imaging and Guidance libraries not only give users access to complete predeveloped image processing and analysis algorithms, but allow access to subroutines for measurement features not interfaced to the standard Image Analyst package.
$9,500 retail
Acuity Imaging, Inc.; 9 Townsend West; Nashua, NH 03063; 603-598-8400 or 603-598-4684 (fax)

MacRag
Tracks all phases of operation for garment manufacturers and sales
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.

MacRag is a comprehensive software solution for the apparel manufacturer, importer or distributor who wishes to track all phases of operation. The system can record all aspects of garment sales and production, from customer Order Entry through Invoicing, and manufacturing from Raw Materials purchasing to the completion of Finished Goods. MacRag is modular and expandable, but all versions, from single-user Order Entry/Invoicing to multiuser complete systems, use the same file structures. This means users can start with a basic system and grow into a full-featured multiuser operation seamlessly. Because MacRag was designed by garment manufacturers, all necessary reports are available, most with a highly-flexible selection interface that allows for simple retrieval of the exact data required.
$2,500 and up retail
Third Wave; 4141 Redwood Ave.; Los Angeles, CA 90066; 310-823-2470 or 310-823-7025 (fax)

MacSys Pricedex
Catalog/price list generation system
Macintosh Quadra 610 or larger.

The MacSys Pricedex is a 4th Dimension-based catalog/price list generation system best suited for firms with large numbers of technical part/product listings. As the stand-alone version of the Price List Application and Parts Server, this system provides powerful price maintenance and database publishing features. Price lists can be built based on variable selections of parts and product lines. A user-configured output screen allows for the customization of price lists by client or price regime. The "catalogs" generated include such features as two-sided printing and variable fonts and formats within each part/product listing. Catalogs can be easily user designed for specific clients requiring different part/product listings, pricing tiers and languages. A 600-page catalog can be printed in less than four hours using a standard laser printer. It is customizable as required.
$18,500 retail
MacSys Inc.; 362 Terry Fox Dr., Ste. 200; Kanata, Ontario, Canada K2K 2P5; 613-591-9200 or 613-591-8089 (fax)

MacWareHouseExpress
Wholesalers, manufacturers and distributions centers
Macintosh with 68030 processor or larger; 8 MB of RAM; System 6.0 or later (System 7.x recommended); dedicated server for network use.

MacWareHouseExpress provides wholesalers, manufacturers and other partners in the distribution chain with a one-point, interactive, multiuser system integrating A/R, A/P, purchasing, order scheduling, shipping, receiving, RMAs, inventory control, invoicing, credits, commissions, statements and more. Users can use the supplied UPS table or input just the part of that or any other shipping table they use. Freight and insurance costs compute automatically from the shipping company, its table of rates, the zone, type of shipping and weight being shipped. Users can check account history for both customers and vendors rapidly with "click down" to invoices and payments for customers and POs and disbursements for vendors. A completed sales transaction automatically updates associated inventory records. Users can generate paperwork in batch or as needed.
$795 retail; single user
$179 retail; each additional user (minimum two)
Synergy Marketing Communications, Inc.; 11 Joseph Ct., Ste. 213; Syosset, NY 11791; 516-935-9151 (phone/fax)

MainPlan/PM
Equipment maintenance management
Macintosh LC or larger; 4 MB of RAM; 40 MB hard disk drive.

MainPlan/PM is a computerized equipment management system that provides scheduling, work orders, tracking, parts inventory, costs and reporting. The program follows the essential logic of maintenance operations by taking users through the planning, scheduling and task definition steps, and facilitating the issuance of Work Orders and the capturing of information. Based on a relational database, the program was designed to permit true interactive maintenance management by allowing managers to examine schedules, equipment history, reports and inventory directly on the screen.
$4,995 retail; single user
$6,995 retail; multiuser
M2 Limited; 9210 Wightman Rd., Ste. 300; Gaithersburg, MD 20879; 301-977-4281, 800-927-4281 or 301-926-5046 (fax)

The Manufacturing Controller 7.1
Integrated accounting package for manufacturers
Macintosh IIsi or larger; 8 MB of RAM; hard disk drive.

The Manufacturing Controller is an integrated accounting package for manufacturers, including Order Entry, Accounts Receivable, Purchasing/Payables, Lot Tracking, Inventory Control, Job Costing, M.R.P., Shop Floor Scheduling and General Ledger. In Accounts Receivable, amounts may be applied to open invoices, uninvoiced sales orders and as non-accounts receivable related deposits to any other G/L account. In Order Entry, both stock and non-stock items can be entered. Inventory records levels at up to 99,999 locations. M.R.P. calculates manufacturing requirements based on scheduled delivery quantities, stock on hand and the amounts expected to be received through outstanding POs. In Shop Floor Scheduling, reports show day-to-day changes in the expected level of all inventory items because of production requirements and expected PO receipts. Purchase requisitions can be created and, if approved, automatically converted to POs. In Employee Information, screens are available to record pay rate and commission rate, as well as keeping track of vacation time. General Ledger offers both sub-accounts and cost centers. More than 300 reports are available. The program also integrates with Great Plains Accounting.
$5,000 to $25,000 retail; depending on modules purchased
Qube Software, Inc.; 86 W. Yale Loop; Irvine, CA 92714; 714-559-5659 or 714-551-1621 (fax)

Manufacturing Job Cost II V7.1
Quotes, Order Entry, Invoicing, Production Control, Job Costing, Scheduling, Inventory Control, Material Forecasting, Engineering, Bill of Material, MRP, Purchase Orders, Accounts Payable, Accounts Receivable, Payroll, General Ledger
Macintosh SE or larger; hard disk drive; printer.

Manufacturing Job Cost II provides a fully integrated, multiuser accounting system for manufacturers of discrete and/or repeat order products. System security controls individual user access to specific modules and functions. The system offers multiple window display for operation of the system and reviewing of stored information; online help windows to automatically enter information during data entry; and user-developed ad-hoc reporting. Inventory control of raw material, sub assembly and finished goods can be maintained in single or multiple warehouses. Sales

Advanced Data Systems

orders can be generated for either inventory or warehouse using standard or discount pricing structures. A multilevel bill of material maintains all material, operations and outside service requirements to produce a product and automatically generates production work orders. The system tracks jobs in production in terms of schedule, estimate to actual cost and efficiency and provides capacity requirement information by department and operation. Jobs are scheduled for production or re-scheduled from any place in the production cycle. Multiple company accounting can be maintained for profit and expenses by division and/or departments, and includes consolidation of income statements. The integrated accounting modules provide industry standard accountability and audit trails. The system operates on a network and is System 7 compatible.
$17,300 retail; standard multiuser package
Advanced Data Systems, Inc.; PO Box 5717; Winter Park, FL 32793; 407-657-4805 or 407-657-4472 (fax)

MasterSeries
Production control and accounting software
Macintosh SE or larger; 2 MB of RAM; hard disk drive.

The MasterSeries is multiuser production control and accounting software for job shops and manufacturing. Modules include Quotes, Sales Orders, Purchasing, Job/Router, BOM/MRP, Tracking, Scheduling, Tool Crib, AP, AR, Payroll and General Ledger. Also incorporated are inventory control, job costing, bar-code support for data capture and image storage (e.g., blueprints, tooling, etc.). The router editor includes inspection and tooling detail, plus pictures of dimensions. BOM explodes to 10,000 levels and features unlimited lines. The MasterSeries is an open system; source code is available and there is an interactive mode for simple changes with full modification support for extending the system. Designed for the Macintosh, the MasterSeries employs the graphical user interface, color, graphics and fonts. ReportGen, a powerful report tailoring routine, is found in all modules. Other features include: extensive security system, unique documentation, guided implementation plan, data transfer service and superior technical support. MasterSeries was designed by and is published by manufacturing veterans.
$800 per module retail; 12 modules
White Tree Software; 2434 Olive Ave.; La Crescenta, CA 91214; 818-957-2684

MaxMotion For Routing & Woodworking
Motion control software
Macintosh SE or larger; System 6.0.5 or later.

MaxMotion is motion control software. Another application of this software is available to drive the following plotters for vinyl cutting: Aristo AG75; H.I. DMP-66; Graphtec FC 2100-50, FC 2100-90A, FC 2100-120; Ioline Art Pro 3700, Art Pro 4000, Signature 5000; Mimaki CG-45, CG-60, CG-90, CG-120; Roland Digital CAMM-1/20, 1/24, 1/48 and CAMM-2 Engraver; and Vytek 1000. MaxMotion is already available to drive the Gerber plotters (GS15, HS15, GS750 and HS750). MaxMotion transforms PostScript drawing files into templates that can direct the creation of three-dimensional solid objects. Applications include: woodworking; engraving, routing and shaping of metal, plastic or wax; three-dimensional model making; control and movement of light beams for R&D labs; manufacturing prototypes; precise control for movement and positioning of telescopes or microscopes; pre-determined camera movement; architectural model making; film making; and hot wire cutting

These Products Available Through Bottom Line Distribution
1-800-347-1923

and sign making. MaxMotion now drives CNC machines.
$795 to $3,495 retail; MaxMotion for plotter drivers for vinyl cutting and signmaking
$795 to $3,495 retail; MaxMotion for routing and woodworking
$795 to $3,495 retail; MaxMotion for engraving
Solustan, Inc.; 165 Chestnut St., Ste. 200; Needham, MA 02192; 617-449-7666 or 617-449-7759 (fax)

Multi-LiNX TrueRightNow Template
Mixed-media database for manufacturing plants
Color Macintosh with 68030 processor or larger; 8 MB of RAM; 386 or larger PC with Windows 3.1.

The Multi-LiNX TrueRightNow Template is a mixed-media database for teams that design, operate or maintain complex machinery and processes in a manufacturing plant that must meet governmental and world class standards for safety, skills, documentation and records. The team can input, store, share, find, view, print, learn, update and keep records on all the documents, data, diagrams, pictures, video and training they need to do their jobs right the first time. The Multi-LiNX TrueRightNow Template is a visual databank with "smart target" navigational tools providing five click access to 6.5 million documents with no query language. The Template is delivered with placeholder documents and examples for organizing proprietary information. During information entry and throughout the life of the plant, the Template elicits and arranges information by imposing a structured analysis of the equipment, process chemistry, process mechanics and manufacturing technology actually used in a manufacturing plant. When full, the Template contains the necessary information users must have at the jobsite to run profitably, safely, legally and with the minimum workforce.
$52,000 retail
Warren-Forthought, Inc.; 1212 N. Velasco; Angleton, TX 77515; 409-849-1239 or 409-849-1278 (fax)

Parameter Manager Plus V3.68
Statistical process control software
Macintosh Plus or larger; external disk drive or hard disk drive; ImageWriter or LaserWriter.

Parameter Manager Plus is a technical graphing and analysis software program. It uses built-in routines to instantly produce trend plots, forecasts, strip charts, hi-lo charts, histograms, scatter diagrams, linear, linear-log, log-log, statistical quality control (SPC) charts and more. The program's worksheet can handle up to 256 columns and 32,767 rows. Users can manually enter data or import it from any ASCII file and create accurate professional graphs and charts instantly. The results generated can further be enhanced with a built-in tool palette that contains drawing and text tools for adding additional information to the results. Built-in analysis routines are available to give users an array of choices for quickly showing data trends and comparisons. Users can analyze trends, forecast future values or events, compress large databases into understandable graphs and apply statistical process control charts to get a graphical picture of the characteristics of their process. Parameter Manager Plus has a unique database feature that manages data by time, date or sample number to facilitate powerful numerical data management. It provides for accurate management and display of unequal time increment data and sorts, joins or links data with regard to chronological order from other Parameter Manager Plus databases. Users can also enter their own equations for data analysis, choosing from more than 100 predefined functions and an array of mathematical operators.

Integrated RS-232 communication software, pmTalk, is used for directly entering data into the Parameter Manager Plus database from other computer systems, data loggers and instruments for instant technical analysis. It includes comprehensive data import features and a macro capability for setting up an automated procedure. pmTalk can also be used to create a custom user interface for an operator for data entry, automated data analysis and graphing.
$795 retail
BlackHawk Technology; PO Box 2013; Morgan Hill, CA 95038; 408-776-1106, 800-528-9333 or 408-776-1107 (fax)

Personal DataRecorder System
Automated data collection and production reporting system
Macintosh LC III or larger; 1 MB of RAM; 20 MB hard disk drive.

The Personal DataRecorder System (PDR) is an automated data collection and production reporting system that will collect: daily production, labor, time and attendance, product movement, materials, quality control, SPC/SQC data and other production data. Up to 128 PDR Data Collection Terminals can be connected to a Macintosh to collect and report just about any data desired. PDR Terminals (8 by 8 inches) have an alphanumeric keypad, 48-character LCD display and an optional bar-code wand. Specific prompts (fields) and sequence of prompts can be defined to be displayed on the PDR Terminals. Data is entered according to the prompts, such as: Employee#, Job#, Work Center#, Operation#, Pieces Completed, Scrap, etc. Data is verified, time-stamped, stored for reporting and/or communicated real time (or batched) to another computer. The optional report writer allows most any type of report or data file to be created, such as: Job Status, Employee Daily Production, Inventory, Time and Attendance Reports.
Call for pricing; depends on number of data collection terminals
Data Specialists, Inc.; 715 Florida Ave., Ste. 411; Minneapolis, MN 55426; 612-541-0440 or 612-541-1149 (fax)

PhotoMemory
Engineering services system
Macintosh II or larger; 4 MB of RAM.

PhotoMemory is used to paperlessly manage the engineering change process, to catalog and track drawings and documents and to maintain configuration and bill of material records. Change orders are entered into PhotoMemory — eliminating the need for paper forms — and are then tracked through review, approval and implementation. Electronic signatures make approval processing fast and easy. Disposition, revision control and other change effects are recorded and reported. PhotoMemory's cataloging serves as the central repository of document information. Status tracking reports current and historical activity in such areas as drafting, review and document control. PhotoMemory's launching feature automatically brings up documents in their native applications (e.g., Word or Generic CADD). A built-in bar-code system eases hard copy tracking. Bill of material and configuration records are easily indexed against drawing and document records. PhotoMemory is also available for MS/Windows and can seamlessly share data between Macintosh and Windows users.
$1,750 retail; per concurrent user, call quarterly discount pricing
North Mountain Software; 1190 S. Bascom Ave., Ste. 140; San Jose, CA 95128; 408-297-5824 or 408-297-5382 (fax)

Quality Master
Provides for data collection, analysis and reporting of supplier and part quality information
Macintosh Plus or larger.

Quality Master provides for data collection, analysis and reporting of supplier and part quality information. It allows entry, import and/or SQL access to purchase order, receipt, inspection and failure information. Quality Master then provides comprehensive inquiry, reporting and charting on supplier performance, part quality and on-time delivery. Quality Master runs on Macintosh and Windows PCs and supports both platforms concurrently. In addition, it provides for export of information to spreadsheets and statistical quality control packages for further analysis. It comes in three versions: the single-user version, the LAN-based version that supports any Macintosh or PC file server and the Enterprise version that utilizes any SQL back-end database.
$995 to $5,000 retail
Mastermind Software; 153 Lowell St.; Redwood City, CA 94062; 415-366-4114

QuickSurf
3-5 axis CAM software
Macintosh with math coprocessor.

NCM Systems develops, markets, sells and supports QuickSurf CAD/CAM software for CNC programming on the Macintosh computer. QuickSurf is a comprehensive, three-dimensional package designed to take a user from the initial geometry creation through actual generation and downloading of a numerical control program for controlling NC/CNC machines for manufacturing. Features include true three-dimensional surface machining in 5, 4 and 3-axis, plus 2.5-axis, 4-axis wire EDM and NURBS capabilities; and a powerful, yet easy-to-use interface with bidirectional IGES/DXF data transfer.
$10,000 retail
NCM Systems; 240 Newport Center Dr. E, Ste. 215; Newport Beach, CA 92660; 714-640-8866 or 714-640-4884 (fax)

ShopKeeper Plus
Wholesale, mail order, billing, Accounts Receivable, Inventory and retail system
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; printer.

ShopKeeper Plus consists of Sales, Point of Sale, Invoicing, Inventory, Billing, Accounts Receivable and Customer Files, integrated together as a single stand-alone compiled program. It was developed to provide a Macintosh front end for VARs and dealers putting together billing or point of sale programs for wholesalers, small manufacturers or mail order companies. It allows dealers or VARs to provide almost a custom solution at a very low cost to customers. In addition to maintaining a complete inventory, accounts receivable and customer sales histories, the program will automatically create export files for remote or local pick up by any other computer. This allows low training cost Macintosh computers on the front end of the system and anything from a mainframe on down in the back of the house or at a remote location.
$495 retail; single user
$995 retail; multiuser
ShopKeeper Publishing International, Inc.; PO Box 38160; Tallahassee, FL 32315; 904-222-8808 or 904-668-9916 (fax)

Task Data System (TDS)
Organizes and manages job and equipment-related training information
Macintosh IIci or larger; 8 MB of RAM; System 7.0 or later.

TDS is a powerful relational database program that manages job and equipment training information for manufacturing facilities. With TDS, users can organize task-related data, such as safety precautions, quality standards, specs, required tools and step-by-step procedures for multiple tasks all in one comprehensive file. The program automatically maintains linkages between task-related information. TDS offers more than 25 pre-formatted reports, allowing users to quickly and inexpensively generate professional-quality training manuals, complete with equipment-specific illustrations. Reports can be selected by multiple criteria, including date, job title, task learning difficulty and task frequency. All task data pertaining to a job title, equipment area or entire department — including drawings, charts, photographs and other visual aids — are stored directly in the database. Specifications include: pull-down menus and overlapping windows; users can print reports to screen, file, printer and page preview; graphics can be color or black and white PICT; multiple user capable; and simultaneous data file access across Windows, OS/2 and Macintosh platforms. It is System 7 compatible and supports Publish and Subscribe.
$5,995 retail; Administrator package
$399 retail; each additional user
Custom pricing and configurations are available
Performance Technology Group, Inc.; 1210 7th Ave. N; Nashville, TN 37208; 615-244-2022 or 615-244-2023 (fax)

TDS Pro
Organizes and manages job and equipment-related training information
Macintosh IIci or larger; 16 MB of RAM; System 7.0 or later.

TDS Pro is powerful relational database program that manages job and equipment training information for manufacturing facilities. With TDS Pro, users can organize task-related data such as safety precautions, quality standards, specs, required tools, and step-by-step procedures for multiple tasks all in one compre-

hensive file. TPS Pro automatically maintains linkages between task-related information, plus the capacity to allow direct query of data files from shop floor workstations. TDS Pro gives shop personnel access to the most current training information, including safety, quality and step-by-step task procedures. Shop floor users can also browse visual aids stored in a TDS Pro data file. TDS Pro moves shop training from a paper-based process to an online system, while still providing the ability to generate hard-copy manuals quickly as needed. In addition, TDS Pro includes the interactive Training Progress Log. The progress log enables authorized personnel to designate when an individual, such as an operator or mechanic, has achieved proficiency in a specific job task. Comparative reports are available to show tasks completed to date by person, team, shift or department. Reports can be selected by multiple criteria, including date, job title, task learning difficulty and task frequency or use one of the more than 35 preformatted reports.
$11,599 retail; Administrator package
$795 retail; each additional user
Custom pricing and configurations are available
Performance Technology Group, Inc.; 1210 7th Ave. N; Nashville, TN 37208; 615-244-2022 or 615-244-2023 (fax)

VG/Motion
Vision guidance package
Macintosh Quadra family; 12 MB of RAM; hard disk drive; high-resolution monitor with video card.

VG/Motion (for Image Analyst/Source) is an integrated vision guidance package. It is an optional RAIL software package for combining motion control with various inspection tasks. With VG/Motion, users have the capability to interface to an XY table and integrate vision analysis with table locations. Two very common applications for VG/Motion include: step and repeat the same analysis sequence when the sample size is larger than the field of view; and combine the results from the same camera at multiple locations to make high-resolution measurements. VG/Motion follows the same general user interface guidelines that are established by Image Analyst/Source. The user interface has not been changed significantly, except to introduce the Motion pull-down menu and does not eliminate any existing functions of Image Analyst/Source.
$1,995 retail
Acuity Imaging, Inc.; 9 Townsend West; Nashua, NH 03063; 603-598-8400 or 603-598-4684 (fax)

Vertical Markets/Mapping Software

ADC WorldMap For MapInfo, Macintosh Version
Comprehensive 1:1,000,000 scale vector map of the entire world
Macintosh SE/30 or larger; MapInfo.

ADC WorldMap, a comprehensive 1:1,000,000 scale vector map of the entire world, is the most detailed set of world-wide data available from a single source. ADC WorldMap is derived from the U.S. Defense Mapping Agency's Digital Chart of the World. It runs significantly faster than DCW and is ready to run with MapInfo software, which allows users to request information by region or by subject and modify the data for a wide variety of mapping applications. All the flexibility and user-friendly features users expect in desktop mapping are built into WorldMap to provide maximum operating ease and productivity. ADC WorldMap features include political boundaries, populated places, roads, railroads, utilities, airports, rivers and lakes and elevation information. The 1:1,000,000 scale ADC WorldMap containing all layers of information is available for the entire world on four CD-ROMs. The Whole Earth data set, with elevation information removed, is available on Disc 5.
$2,995 retail; four-CD set
$995 retail; individual CDs
$1,895 retail; single CD, Disc 5
$3,695 retail; set of five CDs
American Digital Cartography, Inc. (ADC); 3003 W. College Ave.; Appleton, WI 54914; 414-733-6678 or 414-734-3375 (fax)

ArcView
Geographic information system
Macintosh with 68020 or higher processor; 8 MB of RAM; 4 MB of disk space; System 7.1 or later; color monitor.

ArcView is a revolutionary, full-featured desktop geographic information system that allows users to access and visualize complex geographic databases, perform sophisticated queries, manipulate map features, create accurate, high-quality maps and calculate and summarize statistics about georeferenced information. ArcView's graphic menu interface provides an easy-to-learn, easy-to-use frontend to this powerful analytical and reference tool. ArcView can be easily integrated with other applications, such as spreadsheet and statistical programs, as well as business graphics and desktop publishing packages. ArcView can be used for a wide variety of applications, such as redistricting, AM/FM, tax mapping, land planning, crime analysis, market research and planning, environmental analysis, as well as many others.
Call for pricing
Environmental Systems Research Institute, Inc.; 380 New York St.; Redlands, CA 92373; 909-793-2853 or 909-793-5953 (fax)

Automap Road Atlas For Macintosh
Comprehensive route planning software program
Macintosh Classic II, PowerBook 140 or larger; 2 MB of RAM (4 MB recommended); SuperDrive; 4 MB of free hard disk space; color monitor recommended; System 6.0.7 or later.

Automap quickly and easily plans trips between any two points in the United States, Canada or Northern Mexico. Users just tell Automap where they are going, where they're starting from, what areas they'd like to visit (or avoid) and how they drive. The entire journey can be viewed on the screen or printed with a comprehensive driving directions table for easy reference during the trip. Its fast, fun, informative and can save users up to 50 percent on travel time and costs.
$99.95 suggested retail
Automap, Inc.; 1309 114th Ave. SE, Ste. 110; Bellevue, WA 98004; 206-455-3552, 800-440-6277 or 206-455-3667 (fax)

Azimuth 2.1
Allows a user to draw global views of the world's countries and states in the United States
Macintosh Plus or larger; 1 MB of RAM.

Azimuth, unlike clip art mapping programs, produces true, customized maps of the world. These maps are dynamic in that they can be generated from any distance or angle to different flat projections or in three-dimensional perspective mode. Azimuth ships with nine map projections, which can be placed on different layers and overlaid for comparison. Further, any line, circle, symbol, text or polygon entered into the base map layer becomes data that can be projected onto other map layers. Symbols, objects and text can be used to edit the base map, then plotted onto an "illustration" layer(s) for the further editing needed to produce a finished map. Azimuth thus functions as two programs in one: a mapping program that plots mapping data in latitude/longitude according to user specifications and an illustration program that functions in inches or centimeters, allowing enhancement of the base map without slowdowns due to redraw. A user may change scale while text, symbols and line weights remain constant. Sixty-eight fill patterns (32 editable) can be used to fill a map. Maps may be saved as PICT or EPS files and ported into any program that reads PICT or EPS. New in Version 2.1 is the ability to plot great circles. The Soviet, Yugoslav and Czech republics are also included. The U.S. Geographic Data CD offers Azimuth-compatible detailed information on rivers, streams, highways, cities, towns, national parks and more.
$395 retail
$495 retail; U.S. Geographic Data CD
Graphsoft, Inc.; 10270 Old Columbia Rd., Ste. 100; Columbia, MD 21046; 410-290-5114 or 410-290-8050 (fax)

CogoMaster III
Assists users that deal with land and property ownership
Macintosh SE/30 or larger; 3 MB of RAM (4 MB with System 7); System 6.0 or later.

CogoMaster III is designed to assist surveyors, engineers, realty personnel, title offices, federal, state and local government employees and other occupations that deal with land and property ownership. In addition to the standard coordinate geometry routines used by surveyors, the software will plot the parcel being described on the screen and/or printer using the scale desired. Users will be able to enter the information directly from the deed or legal description and view the progress in graphic form. Surveyors can design subdivisions and check field work. The graphics and other information may be exported to other software.
$295 retail
Guenzi Surveys; Box 127, #38 CDR; Glendive, MT 59330; 406-365-3527 or 800-299-2197 (orders)

Digital Maps For Macintosh
Maps of the entire planet
Macintosh SE/30 or larger; AutoCAD, MicroStation, MapInfo, ArcView or a GIS or CAD package that supports DXF file format.

American Digital Cartography (ADC) provides geographic data integration services for a wide range of industries, governmental agencies and educational institutions. ADC's development team converts raster and vector geographic data for easy use with almost all GIS and CAD programs. Custom programming is available. Users may choose from a large selection of base maps, including USGS Digital Line Graph (DLG 1:100,000 and 1:2,000,000 scale data for the entire US); EtakMap (electronic roadmaps with high positional accuracy for selected areas of the US); US Census Bureau TIGER (maps for the entire US and protected territories designed for the 1990 census); ADC WorldMap (1:1,000,000 scale maps with 17 layers of information for the entire globe); satellite imagery. Data such as contours, section lines and geographic names can be matched to the map in the appropriate coordinate system. Display of features (such as double-lined roads) is tailored to the needs of each project. All maps arrive with full documentation and include technical support. ADC offers choices, convenience and quality documentation.
Call for pricing; depends on base map selection, area coverage, layers of information and level of customization
American Digital Cartography, Inc. (ADC); 3003 W. College Ave.; Appleton, WI 54914; 414-733-6678 or 414-734-3375 (fax)

Dimple
Integrated image processing system for earth scientists
Macintosh with 4 MB of RAM (8 MB recommended); color monitor; 1.44 MB hard disk drive; math coprocessor recommended; System 6.0.5 or later (System 7.0 or later recommended).

Dimple is an image processing system designed to provide the powerful image analysis tools that geoscientists require within an interactive and user-friendly interface. Dimple provides a comprehensive range of tools, including image analysis (histogram, cross plots, linear transect, statistical analysis); image enhancement (filters, sharpening, smoothing, contrast enhancement, pseudo-coloring); image registration & rectification (using ground control points or mathematical models); multispectral analysis (supervised and unsupervised classification, training area analysis, principal components, canonical analysis); image transformations (color composites, 3-D plots, contour modeling); and the ability for users to define new tools and use them in the same way as built-in ones. Dimple supports most common file formats, including ERDAS and microBRIAN, while a generic "foreign" format ensures that virtually all data sources can be imported directly. Dimple allows images, reports and cross plots to be copied and pasted into other applications to make producing reports or papers incredibly easy.
$2,000 retail; educational discounts available
Cherwell Scientific Publishing; 15 Auburn Pl.; Brookline, MA 02146; 617-277-4200 or 617-739-4836 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

Electronic Map Cabinet 2.0
Map of the United States
Macintosh Plus or larger; hard disk drive; CD-ROM drive; System 7.1.

The Electronic Map Cabinet allows users to begin with an overview of the United States, to select only those features that they want to show and go all the way down to street corner level. Maps are stored in vector format so that each map can be totally customized down to one meter per pixel shown. It is available in color on color monitors.
$199.95 retail
Highlighted Data, Inc.; 6628 Midhill Pl.; Falls Church, VA 22043; 703-533-1939 or 703-533-2039 (fax)

GAIA Software
Geographic access image and analysis
Macintosh LC or larger.

GAIA (Geographic Access Image and Analysis) software can display, manipulate and analyze satellite imagery, scanned aerial photos, airborne video and PICT or TIFF image. GAIA was developed specifically with conservation groups, universities, towns and schools in mind. GAIA's capabilities are focused on displaying any earth imagery, including full LANDSAT or SPOT images, and allowing users to combine spectral classes into meaningful covertypes and analyze a given area for perimeter and acreage. GAIA also has full raster/vector integration and can overlay vector maps (from MapGrafix and Microstation) onto the raster imagery to superimpose roads, geopolitical borders, hydrography, etc. When vectors are co-registered, GAIA supports Global Positioning Systems (GPS) by displaying UTM coordinates for any pixel in an image.
$500 to $2,000 retail
Avian Systems Inc.; 1275 15th St., Ste. 15G; Fort Lee, NJ 07024; 201-224-2025 or 201-224-2566 (fax)

GeoPoint BaseMap
Personal map-making tool
Macintosh Plus or larger; 2.2 MB of RAM; 2 MB of free hard disk space; System 6.0 or later.

GeoPoint BaseMap is an easy-to-use, general purpose, personal map-making application. Its purpose is to enable any computer user, at any level of sophistication, to easily create custom maps. BaseMap provides a palette of simple tools to define, display and modify map objects, such as point locations, paths or distance contours. The finished map can be printed, saved as a database or pasted as a graphic into other Macintosh word processing, drawing or presentation applications. GeoPoint also expects the installed base of BaseMap users to exchange data with other users, creating a data exchange standard that can grow significantly. Engineers and scientists can share location data based on project needs; teachers can exchange lesson plans with embedded map data; and business people can share maps showing pertinent information.
$149 retail
GeoPoint, Inc.; 401 China Basin St., Ste. 200; San Francisco, CA 94107; 415-957-1560 or 415-957-1644 (fax)

GeoQuery 4.0
Business mapping for sales, marketing, field service and business management
Macintosh with 68020 or large processor including Power Macintosh; 4 MB of RAM; hard disk drive; System 7.0 or later.

GeoQuery takes information from databases, contact managers, spreadsheets and mailing lists and displays it on interactive maps. These maps are commonly used for travel planning by field personnel, allocating sales and service territories, analyzing and targeting marketing programs and preparing business presentations. GeoQuery locates information on the map by Zip code. Five-digit capability is standard and nine-digit is available in the GeoQuery Plus product. The basic GeoQuery package includes maps of the United States with state and county boundaries, interstate highways and US routes and more than 26,000 cities, town and places.

GeoQuery Plus adds state routes, major roads and nine-digit Zip mapping. Other mapping files are available.
$295 retail; GeoQuery
$495 retail; GeoQuery Plus
$200 retail; upgrade
GeoQuery Corp.; 387 Shuman Blvd., Ste. 385E; Naperville, IL 60563; 708-357-0535, 800-541-0181 or 708-717-4254 (fax)

Hipparchus
C language function library that provides application developers with the geographic capabilities to deal with the "where" of an application
Macintosh 512KE or larger; math coprocessor; hard disk drive.

Named after the ancient Greek originator of latitude/longitude, Hipparchus uses a novel spatial indexing method for unprecedented speed, precision and flexibility — an open approach to location information. Hipparchus provides unconstrained modeling of zero, one and two-dimensional objects for sophisticated ellipsoidal modeling of points, lines and regions. Functions include: conversion from all coordinate systems; dynamic indexing; proximity, union and intersection; mapping and display; debugging; and third-order orbital modeler for satellite data. Hipparchus includes more than 260 C-language functions to integrate into applications using existing tools. Distribution also includes 20K lines of source code samples for instant "cut and paste" start up. Documentation includes: the 220-page Hipparchus Tutorial — an easy-read that explains concepts and how-to applications; and the 300-page Hipparchus Reference Manual — details each function with examples.
$5,000 retail; site license
Geodyssey Limited; 815 8th Ave. SW, Ste. 500; Calgary, Alberta, Canada T2P 3P2; 403-234-9848 or 403-266-7117 (fax)

Landesign
Surveying and land, road and subdivision layout tool
Macintosh Plus or larger; floppy disk drive or hard disk drive; ImageWriter or LaserWriter; System 6.0 or later.

Landesign is surveying software designed for professional land surveyors, developers, planners and civil engineers. It provides interactive graphics, and all conventional Cogo features are supported. The program supports various types of intersections. Field traverses and side-shots can be computed and balanced with numerous options. All objects and traverses can be cut, duplicated, copied and pasted into the same or other documents, as well as into other programs. Landesign supports import and export of points in a text file format for bringing data into and out of other programs. Landesign allows the use of three-dimensional coordinates. These points can then be exported to a terrain modeling program to produce a contour map. Landesign allows data to be saved in its native file format and in PICT file format for import to any other CAD package that supports this standard file format. Drawings can be produced at virtually any scale, with any origin and a user's choice of units. Data may be read from various data collectors with the Data Collector Module (supports Lietz/Sokkisha, Pentax, Geodimeter, Topcon, Leica and compatible data collectors). Additional options are available for exporting to DXF, CGDEF, Claris CAD, MacDraw II and FlexiScript. Landesign is System 7 compatible.
$595 retail
$250 retail; Export Module
$325 retail; Data Collector Module (downloads information directly from a data collector to Landesign)
Compuneering Inc.; 113 McCabe Crescent; Thornhill, Ontario, Canada L4J 2S6; 905-738-4601 or 905-738-5207 (fax)

Landview
Contouring and terrain modeling program
Macintosh Plus or larger; System 6.0 or later.

Landview imports three-dimensional coordinates, triangulates the data and creates a contour map. Users can see contours after choosing just three commands. Landview can read data exported by Landesign, spreadsheets and DXF format (optional). It can export a contour map in PICT format or DXF format (optional; export in Architrion or ArchiCAD format also optional), which can then be imported by such applications as Landesign, Claris CAD and AutoCAD. When used in conjunction with Landesign's Data Collector Module, users can easily download data measured in the field and effortlessly display a contour map without any manual entry. Landview uses the TIN (Triangulated Irregular Network) method and respects user-defined breaklines. The TIN, which appears as a patchwork of triangles, is as precise as the data that it is created from; nothing is lost or approximated. Color is supported. With the optional Volumetrics Module, Landview is able to determine the amount of cut and/or fill between two surfaces or the volume between a surface and a datum.
$195 to $1,595 retail; depending on options
Compuneering Inc.; 113 McCabe Crescent; Thornhill, Ontario, Canada L4J 2S6; 905-738-4601 or 905-738-5207 (fax)

MacChoro II With Map Animation
Statistical mapping and map animation program
Macintosh Plus or larger.

MacChoro II with Map Animation is a data classification and map-animation program for the analysis of spatial data. Shadings are used to depict statistical data by area. The program includes six methods of data classification: Standard Deviation, Equal Interval, Quantiles, Natural Breaks, user-defined ranges and an Unclassed option with 16 shadings. Maps are normally updated in five to 10 seconds. A map animation is created by placing a series of maps in memory that depict different variables and/or different classifications of the same variable. These animation sequences can be played back at speeds up to 60 frames per second. The program includes four separate windows: a graphics drawing window, a fully functional reduced-view graphics window, a spreadsheet window and a text-edit window. A variety of legend styles are available. Outline maps can be imported from a variety of formats. Maps can be scaled and rotated. The program includes a U.S. by state map file and selected data sets. A U.S. by county data file with more than 32,000 points is available separately. Additional map files, including the world by country, Africa, Asia, Europe and South America by country are also available.
$295 retail; MacChoro II with Map Animation and United States by state digital map
$100 retail; U.S. Counties map file with more than 32,000 x,y coordinates
$50 each retail; additional map files
Image Mapping Systems; 516 S. 51st St.; Omaha, NE 68106; 402-553-2246

MAP II Map Processor V1.5
Image processing and raster geographic information system (GIS)
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.

With MAP II, users can view, mark, measure and transform remote sensing images, field data scanned images and maps. Maps and images can be larger than memory size and made up of hundreds or thousands of rows and columns of map cells. Large or multiple maps and images can be imported or scanned and digitally mosaicked, processed in visual and quantitative ways and then printed. The program has powerful screen tracing tools, a rich set of image processing functions, visualization and color management, and output layout and printing facilities. The program comes bundled with HyperViewKit, a pictorial file and database navigation product.
$395 retail
$825 retail; five-pack educational
ThinkSpace Inc.; 100 Collip Cir., Ste. 130; London, Ontario, Canada N6G 4X8; 519-858-5047 or 519-858-5048 (fax)

MapGrafix Mapping System
Geographic information system
Macintosh IIcx, IIci, IIfx, Quadra or Power Macintosh; 8 MB of RAM; hard disk drive; math coprocessor recommended.

MapGrafix is a geographic information system that provides a dynamic and efficient method of capturing, managing, analyzing and displaying geographic data, both raster and vector. MapGrafix offers a graphics-based user interface, menus and flexible output, including laser printers, pen and electrostatic plotters. MapGrafix links every feature on a map with attribute information by linking to a database of a user's choice.

Analysis and map manipulation features perform spatial analysis, build polygons, merge maps and georelational structures and have access to map information on CD-ROM, videodisc and also to large-scale geographic information systems through the MapLink Module.

MapView supports multiple map projections, movement from one cartographic and coordinate projection to another.

MapGrafix Display allows analysis and database query without modifications of map coordinate data. Training, documentation, technical support and maintenance are offered.
$4,995 retail; MapGrafix
$995 retail; MapLink
$495 retail; MapView
$995 retail; MapGrafix Display
ComGrafix, Inc.; 620 E St.; Clearwater, FL 34616; 813-443-6807 or 813-443-7585 (fax)

MapInfo For Macintosh 3.0
Desktop mapping program
Macintosh Plus or larger; 4 MB of RAM; System 6.0.2 or later.

MapInfo is desktop mapping software that displays a user's data on maps of any scale, from street level to worldwide. Using MapInfo's powerful relational database engine, users can merge their data with maps and perform geographic analyses and data manipulation. Users can create pin maps, shaded maps and presentation-quality output that can be incorporated into desktop publishing applications. Users can display and manipulate data in three different views: map, text and a graph view. MapInfo has many other features, such as address matching, map and boundary editing, polygon searches, database record retrieval and zoom control. MapInfo for Macintosh is directly compatible with MapInfo for Windows, for Sun and for HP, and can directly read FoxBase+/Mac, Microsoft Excel spreadsheets and delimited ASCII files. MapInfo is System 7 compatible.
$1,295 retail
MapInfo Corp.; One Global View; Troy, NY 12180; 518-285-6000, 800-327-8627 or 518-285-6060 (fax)

MapPower's Integrated Government Management System
Manages data, creates reports, draws graphics and presents information visually
Macintosh II family; 13-inch monitor.

MapPower's Integrated Government Management System manages data, creates reports, draws graphs and presents information visually by communicating with mapping software on the Macintosh. The software has been developed by drawing on the knowledge of state and local government workers solving real-life problems. Each one of MapPower's 18 applications can be used to automate department operations and procedures. MapPower's Software allows decision makers to ask what-if questions and to develop multiple scenarios quickly. In minutes, the products can perform data analysis and create reports. More than just a database, MapPower's Software is a decision support system. All of the software can be linked to mapping systems to create a complete Geographic Information System (GIS) solution. Information can be analyzed and queried and sent to the map for graphical display through the unique geocoding procedure. Address matching and thematic map creation through analysis is fully supported. Users can use MapPower to explore data for geographic relationships and to make quick visual analyses. MapPower can provide all the necessary components, including the Applications Software, digital maps and the mapping software.
$4,995 retail
MapPower Corp.; 17 Main St., Ste. 313; Cortland, NY 13045; 607-756-4150 or 607-756-5550 (fax)

Map•Factory
Raster-based Geographic Information System (GIS)
Macintosh II or larger; math coprocessor; Hard disk drive; color display capabilities (4, 8, 16 or 24 bit); System 7.0 or later.

Like Map II, Map•Factory is a raster GIS that provides a set of dynamic and efficient tools for capturing, managing and analyzing geographic data. Map•Factory is a significant improvement over Map II in both speed and functionality. Some of the new features include: adaptive data compression; an extensive facility for developing and saving operation scripts; single precision, floating point map data; expanded legend editing capabilities; expanded drawing tools and graphics editing capabilities; improved map display/support 24-bit color; expanded translators selection (BNA files [Atlas Pro, AtlasGIS, ARC/INFO, etc], raw binary files [SPOT, TM, etc.], and USGS DEM files [ALL]); expanded print layout facilities; and an external programming shell for developing user-defined map operations and import modules.
$1,200 approximate U.S. retail
ThinkSpace Inc.; 100 Collip Cir., Ste. 130; London, Ontario, Canada N6G 4X8; 519-858-5047 or 519-858-5048 (fax)

Mountain High Map Frontiers
High-resolution editable map outlines
Macintosh Plus or larger; any desktop publishing, layout or image editor program that accepts TIFF, Aldus FreeHand format or Adobe Illustrator EPS inputs; CD-ROM drive.

Mountain High Map Frontiers is a collection of high-quality editable outline maps. This superb resource of 74 map views covers the world and consists of coastlines and borders that fit the Mountain High Maps relief map images or can be used independently as a self-contained resource. Each map is available in three formats: Adobe Illustrator (EPS), Aldus FreeHand and industry standard TIFF. The Illustrator and FreeHand files are constructed in layers, so that borders and coastlines can be selected together, or individually. Each can be edited for styles, widths and colors, and users can selectively fill countries with colors or patterns or with the appropriate Mountain High Maps relief image. Reproduction rights allow unlimited commercial use.
$120 retail; call for free brochure
Digital Wisdom Inc.; PO Box 2070; Tappahannock, VA 22560; 804-758-0670, 800-800-8560 or 804-758-4512 (fax)

Mountain High Maps
High-resolution TIFF images
Macintosh Plus or larger; any program that accept TIFF input; CD-ROM drive.

Mountain High Maps offers a unique collection of relief maps of the world's continents, countries and ocean floors. This collection, 74 flat projections and 39 global views (more than 1,000 images total), provides detailed and accurate relief views that can be used as a base for an extensive range of applications: artwork and advertising; newspaper and television; publication and presentation; education and reference; multimedia software and video use. Mountain High Maps can be quickly loaded into any desktop design or publishing program and customized to a user's own requirements. The high-resolution images (typically 2,250 by 2,600 pixels) can be used for the very highest quality output and are referenced in an extensive catalog. Reproduction rights granted with the purchase of Mountain High Maps allow almost unlimited commercial use. Mountain High Maps are published as a two-disc CD-ROM set.
$995 retail; call for free catalog of maps
Digital Wisdom Inc.; PO Box 2070; Tappahannock, VA 22560; 804-758-0670, 800-800-8560 or 804-758-4512 (fax)

Satellite Pro
Satellite tracking software
Macintosh Plus or larger; System 6.0 or later.

Satellite Pro is a comprehensive tracking program. Using parameters available free from NASA, Satellite Pro will show the position, ground track and coverage area of any satellite on a variety of map projections, including rectangular, polar and great circle. In addition, a "View from Space" can be obtained that will show the earth as seen from the satellite. Data such as the latitude, longitude, altitude, azimuth, elevation and range from the observer can be obtained at specified intervals or in a real-time mode, and can be saved to disk for use by other programs or reformatting with word processors. Complete details are furnished for obtaining the free NASA orbital data.
$59.95 retail
MacTrak Software; PO Box 1590; Port Orchard, WA 98366; 206-871-1700

Small Blue Planet: The Real Picture Atlas
Gathers spectacular satellite images and places them interactively in the context of several world maps
Macintosh II or larger; 4 MB of RAM; hard disk drive; 8-bit color; color monitor; CD-ROM drive.

Small Blue Planet is an electronic satellite atlas that gathers spectacular satellite images and places them interactively in the context of several world maps, giving users an intimate view of our planet. It instructs with beauty via pictures of landforms, plate tectonics, volcanology, meteorology, oceanography, glaciation and more. Recently discovered landforms become accessible, which were unknown to humanity until mapped by advanced remote sensing technology. One world map shows the enormous mountain ranges of the ocean floor, discovered by satellite and rendered at NOAA as a stunning bathymetric map. Another world map shows the current political boundaries. Another gives a stunning USGS rendition of the landforms of the United States in gray scale. Other images include the intricate coastline of Greece, in false color scanner images, the mountains of Indonesia from Space Shuttle cameras, poking through the cloud cover and high-altitude views of hundreds of cities of the USA and the world. The Chronosphere, also available on floppy disk, displays the Earth's patterns of day and night at any given time.
$79.95 retail
$39 retail; Chronosphere on floppy
Now What Software; 2303 Sacramento St.; San Francisco, CA 94115; 415-885-1689 or 415-922-1265 (fax)

Street Atlas USA
Complete road map of the entire country
Macintosh Color Classic or larger; 4 MB of RAM; 2 MB of free hard disk space; color monitor; System 7.0 or later; CD-ROM drive.

Street Atlas USA is a complete road map of the entire country on a single CD-ROM. Users can zoom in on every city, town or rural area in the country — right down to the tiniest backroads. The database gives instant access to more than 12 million street segments and more than 1 million lakes, ponds, rivers, parks, railroads and monuments. The database in Street Atlas USA provides the most current maps available, and includes thousands of streets and developments that didn't exist a few years ago. Users can search for data by place name, Zip code, telephone exchange or street name. Maps feature city and town names; highway, street and road names; railroads; mountains, rivers, lakes and streams; and many prominent buildings and monuments.
$169 retail
DeLorme Mapping; PO Box 298; Lower Main St.; Freeport, ME 04032; 207-865-4171, 800-452-5931 or 207-865-9291 (fax)

Surface III
Modeling and mapping
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.

Surface III is well suited to modeling and mapping chemical concentrations, rock depths, geophysical properties or any other data that can be described by an X-Y location and a Z value. Data is read from any text file; output can be printed directly or transferred to GIS or other software for further analysis. The X-Y-Z data is modeled through a gridding process. Surface III takes the randomly located X-Y-Z data and creates a matrix of regularly spaced rows and columns representing the data. Several different search methods, weighting functions and gridding methods are available. Grid-to-grid algebra, re-gridding and grid smoothing can also be performed. Grids are displayed as contour maps, color-filled maps or three-dimensional wireframe diagrams. Data point locations can be posted over the other maps. Maps can be saved as PICT, PostScript or printed.
$249 retail; standard version
$399 retail; faulting and kriging version
Surface III Office; Kansas Geological Survey; 1930 Constant Ave.; Lawrence, KS 66047; 913-864-5674 or 913-864-5317 (fax)

Vertical Markets/Marketing

Automated Proposal Generator
Generates complex business proposals
Macintosh Plus or larger; System 6.0.7 or later.

The Automated Proposal Generator (APG) is a database publishing system that allows sales professionals to generate complex business proposals. The APG is designed to centrally automate and track the

These Products Available Through Bottom Line Distribution
1-800-347-1923

proposal generation process. The system effectively integrates a fully editable WYSIWYG word processor, a financial spreadsheet and professional-level drawing package. Users can utilize one or all of these functions to create multiple online proposal templates as the framework for developing highly specific, highly customized proposals.
$795 to $1,500 retail
$10,000 to $15,000 retail; network
R.M. Dudley Corp.; 1799 Old Bayshore Hwy., Ste. 200; Burlingame, CA 94010; 415-697-1650 or 415-697-1816 (fax)

Client Portrait 1.5
Client information, marketing, conflicts-of-interest system
Macintosh Plus or larger; hard disk drive; Helix Express.

Client Portrait is a Helix database that allows a user to track prospective clients, ex-clients, referrals, vendors, associates and others. It also creates personalized letters, mailing labels and facilitates firm marketing and conflict-of-interest prevention. The program features a "turnkey" mode that allows it to operate from custom menus. On screen help is available, including suggested formats to ensure accurate and consistent data entry. As users become more experienced, the full set of Helix's structural icons and 100 programming calculation tiles are available to personalize the client information system to a user's unique needs.
$995 retail
GreenLight Software, Division of Elan Associates; 79 W. Monroe, #1320; Chicago, IL 60603; 312-782-6496 or 312-782-6494 (fax)

■ **Heavy Duty Tactician**
Sales/marketing
Macintosh II or larger; math coprocessor; 8 MB of RAM; 25 MB of free hard disk space; 13-inch color monitor; System 6.0.3 or later.

Heavy Duty Tactician provides unparalleled functionality to the corporate sales/marketing executive and the "power user." It combines all functionality and data of the Micro-Marketing Machine and Selling Machine.
$24,495 retail
Tactician Corp.; 16 Haverhill St.; Andover, MA 01810; 508-475-4475, 800-927-7666 or 508-475-2136 (fax)

MaCATI 2.0 — CAPI/DMS Version
Macintosh-assisted personal interviewing and disk-by-mail surveying
Macintosh Classic, LC or larger.

MaCATI CAPI/DMS is a comprehensive survey system for conducting Computer-Assisted Personal Interviewing (CAPI) and Disk-by-Mail Surveys (DMS). It is simple to learn and use and ideal for data collection needs involving political exit polls, door-to-door surveys, kiosk-based mall and in-store intercept surveys, convention research and disk-by-mail surveys of the installed base of Macintosh end users, developers, VARs and dealers. MaCATI automates the process of questionnaire editing, entering skip patterns, data collection and the compiling of results and statistical analysis involving large-scale survey research projects. MaCATI comes with a spelling checker, thesaurus, dictionary, data aggregation software and the Flo•Stat 2 statistical analysis and mapping package. Everything required for large-scale personal interviewing and disk-by-mail survey data collection projects is included in this system.
$1,995 retail; license for up to 20 personal interviewing units and unlimited disk-by-mail surveys
Educational discount available
Senecio Software, Inc.; 525 Ridge St.; Bowling Green, OH 43402; 419-352-4371 or 419-352-4281 (fax)

MaCATI 2.0 — CATI Version
Macintosh-assisted telephone interviewing
Macintosh Classic II, LC or larger.

MaCATI is a full-featured, computer-assisted telephone interviewing package. It consists of three integrated programs: Editor, Fielder and Cleric. It is ideal for market research surveys, political polling and telemarketing. Editor features include: easy entry and editing of the questionnaire; merging of separate questionnaires; creation and storage of often-used response categories in user-created menus; standard demographic, attitudinal and geographic/miscellaneous response categories built into the system; and is capable of handling very complex skip instructions. Other features include: automatically loads telephone samples; maintains call records, appointments and call status reports for entire phone sample; Flo•Stat 2 statistical package accompanies MaCATI; and Flo•Stat outputs SAS and SPSS command files. Fielder features include: automatically loads and dials phone numbers; maintains appointments; interviewers point-and-click on the appropriate response category and the system automatically scrolls to next question; interviewers can scroll backwards to amend selected responses; and date, time, phone number, interviewer's ID and number of minutes to completion are automatically recorded for each interview.
$3,500 retail; one to six stations
$6,000 retail; seven to 12 stations
$10,000 retail; 13 to 24 stations
$15,000 retail; 25 to 49 stations
$20,000 retail; 50 to 99 stations
$30,000 retail; 100+ stations
Senecio Software, Inc.; 525 Ridge St.; Bowling Green, OH 43402; 419-352-4371 or 419-352-4281 (fax)

MacVittles
Food broker software
Macintosh Plus or larger; hard disk drive; System 6.0.4 or later.

MacVittles is a unique software package designed exclusively for food brokers. This easy-to-use program will aid food brokers in every aspect of food show participation, from the creation of survey sheets to the taking of orders to the post-show recap. With its easy point-and-click interface, non-computer users can learn and use MacVittles in a matter of hours. Features include: tracks all manufacturers, wholesalers and retailers; tracks all manufacturer food items and allows for separate pricing by wholesaler and by show; handles net weight and catch weight items; supports show dollars and allowances; automatic creation of survey sheets; order entry right at the show; and automated printing of show reports for the wholesaler and each manufacturer. MacVittles is System 7 compatible. Customization is available.
$995 retail
Software Solutions; 6404 E. Oak St.; Evansville, IN 47715; 812-477-3181

■ **Market Nicher**
Identifies and quantifies optimum target market segments
Macintosh SE/30 or larger; System 6.0 or later; hard disk drive recommended.

The Market Nicher is designed to reveal and quantify optimum target market segments. It enables ad agency executives, marketing groups, directors, researchers and other users to use a comprehensive set of market segmenting resources to make the best strategic marketing decisions. Market Nicher allows users to present clear, systematic and persuasive reasons for their proposals and helps improve the firm's competitive position. Features include standard industrial classification codes and market segment, market channel and benefit databases, which make highly specific segmentation possible. The graphs and charts generated will identify and evaluate the selected target market segment. A flexible, user-friendly tutorial and online help are included.
$695 retail
Good News Marketing, Inc.; 18 Peacock Farm Rd.; Lexington, MA 02173; 617-643-7131

Marketing Analysis & Decision Making 2nd Edition
Shows how marketing analysis can be integrated into the process of making marketing decisions
Macintosh Plus or larger.

Marketing Analysis And Decision Making, consisting of text and Harvard cases with accompanying decision-analysis spreadsheets, shows how marketing analysis can be integrated into the process of making marketing decisions. It encourages students to explore real-world marketing problems with the help of decision-analysis software and demonstrates how the manager without technical training can learn to use the powerful marketing science support tools that are now available.
$49.50 retail
boyd & fraser publishing company; One Corporate Pl.; Ferncroft Village; Danvers, MA 01923; 508-777-9069, 800-225-3782 or 508-777-9068 (fax)

Marketing Management: Analytical Exercises For Spreadsheets
Exercises and cases that expand and elaborate on the concepts of marketing management
Macintosh Plus or larger.

Marketing Management: Analytical Exercises for Spreadsheets is a book/template package, including Lotus 1-2-3 programs for exercises and cases that expand and elaborate on the concepts of marketing management: market segmentation, positioning, synergistic marketing-mix strategies, product and business portfolio strategies, diffusion models, bidding models, experimentation and dynamic market analysis. Gary L. Lilien's book provides review and background necessary to clarify the exercises fully. A new chapter shows how to use Excel to work all the exercises.
$39.50 retail
boyd & fraser publishing company; One Corporate Pl.; Ferncroft Village; Danvers, MA 01923; 508-777-9069, 800-225-3782 or 508-777-9068 (fax)

Marketing Plan Toolkit
Provides users with an organized method for creating a marketing plan from strategy to implementation
Macintosh Plus or larger; 1 MB of RAM; Excel 3.0 or later, Lotus 1-2-3 Mac or compatible spreadsheet; System 6.0 or later.

Marketing Plan Toolkit provides an organized methodology for planning and managing the marketing process from strategy to implementation. It includes: information gathering, market focus, marketing tactics, specific programs, sales forecasts and plan vs. actual analysis. Spreadsheet tools automatically generate sales forecasts, link expenses to sales and create charts to enhance presentation. The Marketing Plan Toolkit gives users a way to enhance their creativity by applying Palo Alto Software's Strategy Pyramid, which links high-level strategy through tactics and programs to develop specific implementation. It builds a real link between planning and action.
$149.95 retail
Palo Alto Software; 144 E. 14th Ave.; Eugene, OR 97401; 503-683-6162, 800-229-7526 or 503-683-6250 (fax)

MarketPlace Business
Puts information on more than 8 million U.S. businesses on a user's desktop
Macintosh Plus or larger (Macintosh SE/30 or larger recommended); 4 MB of RAM; 5 MB of hard disk space; System 6.0.7 or later; CD-ROM drive.

MarketPlace Business allows users to create targeted prospect lists and market analyses right on the Macintosh. Users select prospects from a database of more than 8 million U.S. businesses, using such criteria as geographic location, type of business (8-digit SIC Codes), annual sales and number of employees. An innovative software "meter" lets users preview and analyze information on all 8 million records, but allows them to pay only for the records actually used. Lists created with MarketPlace can be output as mailing labels, reports or ASCII files. The business database in MarketPlace is supplied by Dun & Bradstreet Information Services.
$845 retail
MarketPlace Information Corp.; 3 University Office Park; Waltham, MA 02154; 617-894-4100 or 617-894-1656 (fax)

MediaManager
PR management
Macintosh with 68020 or larger processor; 2.5 MB of RAM (4 MB with System 7); 9 MB of free hard disk space; System 6.0.7 or later.

MediaManager enables users to handle mission-critical PR jobs quickly, easily and professionally through targeted media lists, editorial calendar management, contact management, PR task automation and more. Features include: create and save media lists quickly and easily; find unscheduled coverage opportunities and pitch stories; send information to the editors who matter to the user; never miss scheduled story opportunities; find all important editorial calendar story opportunities in minutes; create lists of editorial calendars or product group; get details

on the editor responsible for a specific calendar opportunity with the push of a button; print action reports sorted by issue date, action date, topic or publication; access complete editorial contact information, including direct phone, fax, E-mail, comprehensive beat profile and personal interview; add contacts and organizations; keep personal notes on each contact; manage activities with powerful schedule and task automation functions; produce letters, faxes and mail-merge easily with built-in word processing; print labels in all standard formats to any printer with ease; print action reports in seconds; and more.
$795 retail
MediaMap; 215 First St.; Cambridge, MA 02142; 617-374-9300 or 617-374-9345 (fax)

NewsTracker PR Software
Public relations/publicity program database
Macintosh with 2 MB of RAM; hard disk drive.
NewsTracker is a database tool for public relations firms and corporate communications departments. The program provides a relational database for management of media lists, news clippings, broadcast exposure, billing information, client information and special-event tracking that facilitates successful single projects and/or entire publicity programs. NewsTracker also allows a user to analyze publicity results in a quantitative form, and generates high-quality reports and summaries. Stand-alone and multiuser versions are available.
$495 retail
The Right Brain, Inc.; 4263 Brigadoon Dr.; Shoreview, MN 55126; 612-229-6299 or 414-854-9864 (fax)

PowerTrax V1.25
Contact management system
Macintosh Plus or larger; System 6.0.7 or later.
PowerTrax is a powerful contact management system that maximizes the productivity and efficiency of today's time-conscious professional. With features that include a relational contact database, integrated calendaring, word processing and project/expense reporting, PowerTrax revolutionizes the management of both contacts and schedules. For example, the integrated calendar allows users to build schedules of upcoming events; a history for contacts, companies and projects; and produce an 8.5 by 11-inch monthly calendar with a print out of these scheduled events. Searching, sorting and grouping of any file's records is simplified with a variety of tools that include a search criteria based on user-defined parameters. Developed to meet the needs of both single and networked users, PowerTrax is an ideal contact management tool for marketing and sales professionals. Often used in conjunction with the Macintosh PowerBook, PowerTrax is particularly suitable for traveling professionals. The program is System 7 compatible.
$495 retail; single user (call for multiuser pricing)
Soft Solutions, Inc.; Chamblee Tucker Rd., Bldg. 12, Ste. 200; Atlanta, GA 30341; 404-457-9400 or 404-454-9800 (fax)

ProClass
Prospect closing assistant; prepares home estimate, proposal and purchase agreement
Macintosh with 1 MB of RAM.
ProClass is an interactive sales tool designed to be used by marketing personnel of a builder or development firm. The system allows a prospective buyer and sales agent to "build" a home purchase price, determine the buyer's qualifications and calculate monthly costs and cash requirements. The system contains three databases: a file of loan types, which includes loan rates, loan term, closing costs, mortgage discounts and qualification ratios; a file of basic models, which includes price, estimated taxes, insurance, utilities, association dues and expected appreciation; and a file of model construction options and selling prices. Modules include prospect maintenance, model home maintenance, option maintenance, loan maintenance, model home selection, built home estimate, financial work space, print home estimate and/or purchase agreement.
$395 retail; includes application software and Omnis 3 run-time software
HMS Computer Co.; 5937 Fairwood Dr.; PO Box 1707; Minnetonka, MN 55345; 612-934-2652 or 612-933-9664 (fax)

Prospect Tracking System
Prospect database; sales tool for builders and realtors
Macintosh Plus or larger; external disk drive.
The Prospect Tracking System is an interactive sales tool that provides for tracking prospects through a series of buying decisions until making an actual sale. At the time of data entry, key information is captured to profile prospects, their needs and to establish steps to complete a sale. The system is interfaced to a word processing program to facilitate the preparation of mailings to prospects based on selectable requirements. Management reporting includes the ability to analyze prospects by advertising, prospect grade, buying range and buying interest, whether they currently own or rent, type of current housing, number of bedrooms, specific product interest, district analysis and family type. Management sales reports, phone dialer and importing features are included.
$195 retail; includes application software and Omnis 3 run-time software
HMS Computer Co.; 5937 Fairwood Dr.; PO Box 1707; Minnetonka, MN 55345; 612-934-2652 or 612-933-9664 (fax)

Publics
Audience segmentation software for public relations practitioners
Macintosh with 2 MB of RAM; hard disk drive with at least 1 MB of free disk space.
Publics is a public relations research tool that assists users in writing a customized questionnaire that is suited to telemarketing or direct mail research use, provides a means to input survey responses, then computes demographic statistics and helps analyze the results. Publics gives the PR professional at an agency or in a corporate communications department a valuable tool for evaluating the predilections/tendencies of an intended audience, before a news release has been written, a PR message devised, a campaign planned or a special event created.
$295 retail
The Right Brain, Inc.; 4263 Brigadoon Dr.; Shoreview, MN 55126; 612-229-6299 or 414-854-9864 (fax)

■ **Quick Poll**
Surveying tool
Any Macintosh.
Quick Poll is a complete and innovative surveying tool. It is made of three modules: Questionaire, which permits the creation and modification of multiple questionaires that can be grouped in a survey or used as stand alones; Survey, permits the presentation of multilingual questionaires; and Analyzer, permits compilation of results in real time (while survey is going on) and then answers can be partitioned in groups related. Results can be printed in different formats and exported to any other program.
$985 retail
XBR Communications Inc.; 5253 Décarie Blvd., Ste. 550; Montreal, Quebec, Canada H3W 3C3; 514-489-1001 or 514-489-4966 (fax)

Sales Navigation
Sales automation program
Macintosh Plus or larger; 4 MB of RAM; System 7.0 or later.
Sales Navigation is a LAN-based, multiuser sales automation program that allows users to implement and automate a strategy-based sales system. The customizable program includes components for targeted database marketing, sales cycle tracking, telemarketing, call center management, closed loop polling and reporting. Users can also incorporate an automated proposal generator; track sales and marketing performance; analyze lead sources, markets and products; and produce extensive management reports. Features include: new systems can be up and running within 90 days; enables users to track and manage multiple buying influences within one deal; and provides integrated communications and polling for pipeline analysis, forecasting and sales analysis.
$30,000 to $60,000 retail
R.M. Dudley Corp.; 1799 Old Bayshore Hwy., Ste. 200; Burlingame, CA 94010; 415-697-1650 or 415-697-1816 (fax)

■ **Survey EZ3**
Create and compile surveys
Macintosh II or larger (68020 processor recommended); 4 MB of RAM (8 MB recommended); 5 MB of free hard disk space; System 7.0 or later; hard disk drive.
Survey EZ3 is designed to make writing, running and reporting on surveys as easy as 1-2-3. Users create a new questionnaire using the survey writer feature as a guide; or select from a library of questions and responses. The questions can be built using any combination of demographic, multiple choice, numeric or open-end questions. Users then enter the survey responses directly into the question screen. Users can set up sophisticated but easy-to-comprehend printed reports or produce brilliant screen presentations simply by selecting from a variety of layout options and choosing the data they want to include.
$795 retail; single user
$1,195 retail; multiuser (licensed for 10 users)
Morse-Balegno Software; 724 Main St.; Hyannis, MA 02601; 800-964-4655 or 508-778-2538 (fax)

Surveys And Questionnaires
Assists in the construction of questionnaires or marketing surveys
Any Macintosh.
Surveys And Questionnaires is a collection of programs designed to assist in the construction of questionnaires or marketing surveys. When the responses to a survey are available, easy data entry is provided; the question and possible response appear on the screen and the actual response is prompted (ideal for telephone surveys). The response data can be categorized according to multiple criteria. The data can be analyzed in detail, response levels equal, above or below some specified levels can be obtained, correlations between questions and so forth. Finally, the data is put in summary form suitable for the final marketing report. Any size survey can be handled, depending only on available RAM.
$250 retail; includes Marketing Statistics
Lionheart Press, Inc.; PO Box 20756; Mesa, AZ 85277; 602-396-0899, 514-526-7877 or 602-396-0932 (fax)

■ **Tactician Buttons**
Allows the development of custom map-based functions
Macintosh II or larger; math coprocessor; 8 MB of RAM; 25 MB of free hard disk space; 13-inch color monitor; System 6.0.3 or later.
This easy-to-use scripting capability allows the development of custom map-based functions that are fully integrated with the Tactician product family. Tactician Buttons also provides the capability to access more than 45 commercial database products. Tactician Buttons includes all of the functionality and data provided with Tactician Standard, and adds the Buttons development and customization environment (any Tactician system can run Buttons scripts). It also includes advanced Q+E query capability for Btrieve, dBase, Excel, NetWare SQL, OS/2 DBM, Paradox, SQLBase (Gupta), MDI gateway, SQL server, text files and XDB.
$2,495 retail
Tactician Corp.; 16 Haverhill St.; Andover, MA 01810; 508-475-4475, 800-927-7666 or 508-475-2136 (fax)

■ **Tactician Micro-Marketing Machine**
Retail marketing tools
Macintosh II or larger; math coprocessor; 8 MB of RAM; 25 MB of free hard disk space; 13-inch color monitor; System 6.0.3 or later.
The Tactician Micro-Marketing Machine is a comprehensive set of retail marketing tools. This package facilitates location and merchandising decisions, helps improve effectiveness of advertising and promotion and is an extremely valuable competitive intelligence tool. It includes all functionality and data of Tactician Buttons, plus retail gravity modeling, resource optimization and regression modeling. It also includes Data Warehouse for building extremely large, high-speed databases that can be accessed via any Tactician system.
$6,995 retail
Tactician Corp.; 16 Haverhill St.; Andover, MA 01810; 508-475-4475, 800-927-7666 or 508-475-2136 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

■ **Tactician PowerMap**
Sales automation, EIS and desktop mapping
Macintosh II or larger; math coprocessor; 8 MB of RAM; 25 MB of free hard disk space; 13-inch color monitor; System 6.0.3 or later.

Tactician PowerMap delivers value and ease of use for sales automation, EIS and desktop mapping. It includes thematic and point mapping, zoom, pan, layer and overlay control, street mapping and Street Finder (data available separately) and Pin Map. It can be used as a low-cost run-time platform for Tactician Buttons applications. It provides publication-quality map output and database connectivity to midrange and mainframe computers. Included are (U.S. only): US States, Towns, Places and 8,000+ Cities, and an extensive range of color sequences and icons. Customers receive Counties, Highways and Zip Centroids free of charge upon returning the registration card.
$349 retail
Tactician Corp.; 16 Haverhill St.; Andover, MA 01810; 508-475-4475, 800-927-7666 or 508-475-2136 (fax)

■ **Tactician Standard**
Micro-marketing system with retail and sales management functionality
Macintosh II or larger; math coprocessor; 8 MB of RAM; 25 MB of free hard disk space; 13-inch color monitor; System 6.0.3 or later.

Tactician Standard is a micro-marketing system with retail and sales management functionality. It includes thematic and point mapping, zoom, pan, layer and overlay control, street mapping and Street Finder (data available separately) and Pin Map. It can execute Tactician Buttons scripts. It provides publication-quality map output and database connectivity to midrange and mainframe computers. Tactician Standard adds manual territory redistricting and balancing, retail trade area analysis and interactive 3-D spreadsheet functionality. It includes utilities for address matching and geocoding, building various levels of cartography, as well as cartographic and data import and export. Included are (U.S. only): US State and County Boundaries, US five-digit Zip centroids, 118,000+ Place Names, 8,000+ Cities, US Nationwide Interstate Highways, sample Button scripts and an extensive range of color sequences and icons.
$995 retail
Tactician Corp.; 16 Haverhill St.; Andover, MA 01810; 508-475-4475, 800-927-7666 or 508-475-2136 (fax)

■ **Tactician Targeting Machine**
Marketing
Macintosh II or larger; math coprocessor; 8 MB of RAM; 25 MB of free hard disk space; 13-inch color monitor; System 6.0.3 or later.

Custom interfaces combined with demographic and business data make the Tactician Targeting Machine the tool of choice for precision marketing. It is available in a range of capabilities with data options. It includes all of the functionality and data of Standard Tactician, plus the UDS Marketbase demographic, business and retail potential data at various levels of geography. It also includes the Micro-Marketing Interface — a complete desktop marketing system featuring Customer Profiling, Area Profiling by Cluster, Area Profiling by Product, Area Profiling by Demographics, Area BPI Rankings, Opportunity Analysis and Most-Like Analysis.
Call for pricing
Tactician Corp.; 16 Haverhill St.; Andover, MA 01810; 508-475-4475, 800-927-7666 or 508-475-2136 (fax)

■ **TeleLead**
Telemarketing database system
Macintosh LC III or larger; 8 MB of RAM; System 7.1 or later.

TeleLead is a full-function telemarketing system designed to be used by a one to 50-person telemarketing department. It is written in ACI's 4th Dimension relational database and can be used on a single Macintosh computer or with a high-performance server as a true client/server application. TeleLead is capable of managing thousands of prospects. TeleLead produces reports on individual telemarketer performance, as well as leads generated by sales representatives, states, territories, regions, countries, etc. It maintains complete records of all contacts made, literature sent and requested, lead sources, etc. The system also produces labels for mailing campaigns, individualized letters with a built-in word processor, registers prospects for seminars and produces customized reports as specified by the user that will compare the success of mailings, seminars and other marketing programs.
$1,995 retail; single-user license
$5,995 retail; three-users license
$8,995 retail; six-user license
Sudbury Data Services; 51 Rambling Rd.; Sudbury, MA 01776; 508-443-0560

■ **Tim Berry's Marketing Plan Pro**
Creates professional marketing plans
Macintosh Plus or larger; 4 MB of RAM; System 7.0 or later.

Tim Berry's Marketing Plan Pro is a stand-alone program that creates professional marketing plans. It provides an organized method for planning and managing the entire marketing process, from strategy to implementation. The program is exceptionally easy to use, making it ideal even for novice computer users who must develop highly-effective marketing plans. The program steps users through the entire process of information gathering, market focus, marketing tactics, action programs, sales forecasts and planned vs. actual analysis. Tim Berry's Marketing Plan Pro features a unique way to enhance creativity using Palo Alto Software's Strategy Pyramid, a system that links high-level strategy through tactics and programs. It builds a real link between planning and action so users develop a marketing plan that is truly successful.
$179.95 retail
Palo Alto Software; 144 E. 14th Ave.; Eugene, OR 97401; 503-683-6162, 800-229-7526 or 503-683-6250 (fax)

Traid-Names
Generates product, service or business names
Macintosh 512K or larger; ImageWriter or LaserWriter.

Traid-Names is designed to help users come up with unique names for products, services or businesses. The program is capable of generating hundreds of possible names from syllables taken from descriptive words. The program provides single screen interactivity. One window provides five scrollable lists; three for the entry and selection of building block syllables, one for the names (or words) that the program creates and one for the names that the user wants to save for final consideration. Each list can be edited and provides instant data "pop up" into any of six starter text cells.
$159 retail
Applied Systems & Technologies, Inc.; 227M Hallenbeck Rd.; Cleveland, NY 13042; 315-675-8584 or 315-675-3072 (fax)

Vertical Markets/ Mathematics

Calculator Construction Set 2.09.6
Application that creates calculators (saved as applications or desk accessories)
Macintosh 512KE or larger.

The Calculator Construction Set allows users to replace the Apple calculator desk accessory with a choice of more than 60 custom alternatives. The many emulations and other popular calculators may also be saved as stand-alone applications. A complete Calculator Construction Set is included, allowing users to create the perfect calculator to suit their needs. Calculator Construction Set contains emulations for HP 12C, HP 16C, TI Business Analyst, HP 38E, TI Business Analyst II and HP 41C. Specific applications include exchange rates, liquid conversions, temperature conversions, architecture, surveying, typesetting, chemistry, programming and more. Creating custom calculators is a snap and no programming is required. Users simply drag the parts they want into the calculator shell from the parts box, or use one of the pre-built templates. The tool box used to design the calculator is similar to working in a painting or drawing program.
$99.95 retail
Dubl-Click Software, Inc.; 20310 Empire Ave., Ste. A102; Bend, OR 97702; 503-317-0355 or 503-317-0430 (fax)

Cellula V1.04
One-dimensional dynamical system simulation (color or black and white)
Macintosh Plus or larger.

Cellula allows users to generate thousands of different high-resolution cellular automata plots with four user-definable rule sets: Modulo-2 rule, Monte Carlo, Boolean 2-state rules and Additive 3-state rules. High-resolution plots are generated in color for the Macintosh II series and are compatible with the LaserWriter. The program features a user's choice of propagation rules, including probabilities; single seeds or random seeds; online help screens; and a bibliography.
$49.95 retail
Atlantic Software; PO Box 299; Wenham, MA 01984; 508-922-4352

Cluster Analysis
Cluster analysis algorithms, including K-means, divisive and agglomerative techniques, dendrograms and classification
Macintosh 512K or larger.

Cluster Analysis contains a collection of all the major cluster analysis algorithms. Data entry programs allow the entry of data directly or the transfer of data from and to popular spreadsheets. Scaling of metric data is also provided. Cluster analysis programs include procedures based on arbitrary clustering criteria, sums-of-squares of distance criteria, H-means and K-means, criteria involving invariants, W-means, the multiple-location allocation problem, the sum of absolute distance criterion, divisive and agglomerative procedures and some miscellaneous procedures, such as the bond energy criterion technique.
$145 retail
Lionheart Press, Inc.; PO Box 20756; Mesa, AZ 85277; 602-396-0899, 514-526-7877 or 602-396-0932 (fax)

Convert
Metric to imperial conversion calculator
Any Macintosh.

Convert is a desk accessory calculator that allows conversions between metric and imperial units (feet to meters, grams to ounces, etc.). It fully supports all of the standard multiples and submultiples and can deal with linear, square or cubic measures. Convert can be run from the keyboard, keypad or mouse and supports the Clipboard.
$20 retail
JAM Software USA; PO Box 4036; Meriden, CT 06450; 203-630-0055, 203-686-1900 (fax), Int. + 612-550-0884 (Australia) or 612-564-3353 (fax)

Cube & Tess V2.0
Three- and four-dimensional group theory training (color or black and white)
Any Macintosh.

Based on the famous six-colored cube puzzle, Cube is a computer puzzle for training in the mathematical concepts of group theory. A player points and clicks to enter moves. Single moves can be combined into sequences called processes, which can be played back in forward or reverse motion. Tess is a four-dimensional version of Cube, which is a bit more challenging, though understandable. Like Cube, Tess is activated by the mouse and users can record, save and play back their moves. The manual includes a discussion of group theory applied to the puzzle's solution and the action of symmetry operations in three and four dimensions. It includes examples and exercises with solutions.
$34.95 retail
Atlantic Software; PO Box 299; Wenham, MA 01984; 508-922-4352

Data Desk 4.2
Data analysis; statistics; graphics
Macintosh Plus or larger; hard disk drive; uses math coprocessor and/or color if available.

Data Desk is a desktop data analysis environment that helps users combine real-world knowledge with the patterns in their data to visualize abstract concepts and see them applied to real data. It is designed to support the process of analyzing data where a user may not know what is in the data at the start. Among the features of Data Desk are a complete range of statistics and plots; a multidimensional rotating plot (display three or more variables and rotate them freely); plot

brushing (select points in one plot or display and see them highlighted in all other windows immediately); a full integration of graphics and statistics; and HyperView pop-up menus that suggest additional analyses and provide expert advice. Users can also use symbols and color to display additional variables in plots, making it easy to see many dimensions of data at once. Data Desk is a fast statistical package. Even though it is powerful enough for the professional statistician, it can help guide any user through analyzing his or her own data.
$595 retail; free demo disk available
Data Description, Inc.; PO Box 4555; Ithaca, NY 14852; 607-257-1000 or 607-257-4146 (fax)

Designer Fractal Series
Mathematics
Macintosh Plus or larger; System 4.2 or later.

FractaSketch allows students and mathematicians to rapidly design, draw and edit fractal shapes of great intricacy. The patterns are entered using a special palette designed to enter a user's own shapes. Profusely illustrated, it is an ideal program to accompany books, such as Mandelbrot's The Fractal Geometry of Nature. The fractal figures are shown with calculated dimensions that can be saved in PostScript or PICT format.

MandelMovie lets users create animations of Mandelbrot and Julia sets. Movies can be made and saved showing a smooth zoom of points of interest. A user's own equations can be entered on Macintosh computers with a math coprocessor. It has adjustable precision and supports color and gray scale. It can be used to make QuickTime movies. The program comes with a detailed HyperCard help guide.
$30 retail; FractaSketch
$30 retail; MandelMovie
$35 retail; Fractal Exploration on the Macintosh book
Dynamic Software; PO Box 13991; Berkeley, CA 94701; 510-644-0139

Expressionist 3.14
Equation editor
Macintosh Plus or larger.

Expressionist is an equation editor that generates typeset-quality pictures of mathematical expressions for use in technical word processing. Generated pictures can be pasted into word processors and page-layout programs. Pictures can be copied back to Expressionist for re-editing. The program, which includes both a desk accessory and an application, allows a user to edit an equation by pointing, clicking and typing; equation structures reshape automatically on screen in response to changes. Greek letters and special symbols and structures are available on a palette or through the keyboard. A user can select character strings or subexpressions and enlarge, shrink, cut, paste or enclose them inside any equation structure. A Tweak feature allows a user to drag subexpressions into special alignment for fine tuning. Expressionist comes with the usual structures needed to make equations. Also included are more uncommon structures to make matrices, loop integrals, superscripts over subscripts, vectors, overbars, overstrike characters, diagonal fractions, cube and other roots, etc. Matrix selections allow copying and pasting of rectangular submatrices. Expressionist is System 7 savvy and supports Balloon Help.
$159 retail; educational site licenses and network version available
Waterloo Maple Software; 450 Phillip St.; Waterloo, Ontario, Canada N2L 5J2; 519-747-2373, 800-267-6583 or 519-747-5284 (fax)

Fractals V3.3
Fractal graphics program (color or black and white)
Macintosh Plus or larger.

Fractals is a program that allows the visualization of the Mandelbrot Set by computer graphics. It is an artistic endeavor and a useful tool in examining some mathematical constructs in the field of complex variables. Users can plot the Mandelbrot and Julia sets of simple nonlinear functions or create their own polynomial function. Fractal objects are objects in which smaller elements have a characteristic shape similar to that of the parent object. While nature only exhibits about three levels of fracticality in most cases, the magnification of the boundaries of the Mandelbrot Set can be examined over tens of orders of magnitude, while retaining the characteristic traits of the original.
$49.95 retail
Atlantic Software; PO Box 299; Wenham, MA 01984; 508-922-4352

MacFunction
Multivariate function graphing
Macintosh 512K or larger.

MacFunction is a flexible tool to draw and examine three-dimensional graphs. It is designed to be used as a supplement to a course in multivariable Calculus, as well as by anyone interested in graphing three-dimensional functions. Options include the ability to adjust eye level for viewing graphs; show or remove hidden surfaces; plot partial derivatives; show two dimensional contour plots; adjust grid resolution in the display; change the domain of a function; and more.
$79.95 retail
True BASIC, Inc.; 12 Commerce Ave.; West Lebanon, NH 03784; 800-436-2111

Maple V
Symbolic and numeric computation, mathematical programming and scientific visualization
Macintosh Plus or larger; 4 MB memory partition; 20 MB hard disk space; System 6.0.7 or later; hard disk drive.

Maple V Release 3 is a powerful interactive system that provides a complete mathematical environment for both symbolic algebraic expressions and arbitrary-precision numeric arithmetic. It is used worldwide by educators, scientists, engineers, researchers and students to teach, understand and solve both numeric and symbolic mathematical problems. Specific applications include VLSI design, robotics, laser design, brain research, ship hull design, satellite guidance systems and engineering. Maple V is also used in the physical sciences, business management, economics and finance. The newest release, Maple V Release 3, features an easy-to-use worksheet interface including export to Latex, mathematical robustness, interactive graphics and a new help facility featuring keyword searches within help pages. It is built upon industry standards, such as Unix, the X Window System, TCP/IP and PostScript. Maple V has an extensive library of more than 2,500 functions common to many scientific and engineering applications. Its facilities include arithmetic with integers, fractions, unknown variables, polynomials and general expressions; solving equations; factoring; taking derivatives and series expansions of functions; indefinite and definite integration; solving differential equations and recurrence equations; matrix operations; plotting; and much more. Maple V is available across a wide range of computer systems: microcomputers, workstations, mainframe minicomputers and supercomputers.
$795 U.S. retail; commercial, academic and multiuser discounts available
For student edition, call Brooks/Cole Publishing Co. at 408-373-0728
Academic discounts and economical site licensing programs are available
Waterloo Maple Software; 450 Phillip St.; Waterloo, Ontario, Canada N2L 5J2; 519-747-2373, 800-267-6583 or 519-747-5284 (fax)

MathCad 3.1
Advanced mathematics package
Macintosh Plus or larger; 1 MB of RAM.

MathCad for the Macintosh lets users put math, text and graphics together right on their screen. Users simply enter their calculations in real math notation and they're done — the answers in their document. Change a variable and MathCad automatically updates the answers in document. Add a graph and some explanatory text and print results in presentation-quality output. With MathCad 3.1, users will do more math, easier and with greater accuracy. Users don't have to fit their calculations into a spreadsheet or program for hours. MathCad 3.1 makes formulas, notations and graphics follow the way they think.
$99.95 retail
MathSoft; 101 Main St.; Cambridge, MA 02142; 617-577-1017 or 800-628-4223

Mathematica 2.2
Mathematical computation system
Macintosh with 68020 CPU or larger or Power Macintosh; 6 MB of RAM (2 MB of Ram for front end only).

Mathematica is a general system for mathematical computation that can be used both as an interactive calculation tool and as a programming language. Mathematica does numerical, graphical and symbolic calculations. Its numerical capabilities include arbitrary precision arithmetic and matrix manipulation. It can manipulate formulas directly in algebraic form, performing such operations as symbolic equation solving, integration, differentiation and power series expansion. Mathematica can also produce and animate color two- and three-dimensional PostScript graphics. The Mathematica system runs on a range of machines, from personal computers to supercomputers. The Mathematica kernel works the same on all computers. A sophisticated front end for Mathematica on a Macintosh takes advantage of the Macintosh graphical user interface. This front end can be used even when the kernel is running on a remote computer. The front end supports Mathematica "Notebooks" that mix text, graphics, sound and Mathematica input.
$995 retail
$135 retail; Power Macintosh upgrade
Wolfram Research, Inc.; 100 Trade Center Dr.; Champaign, IL 61820; 217-398-0700, 800-441-6284 (orders) or 217-398-0747 (fax)

Mathematician's Toolkit
Extends the power of the True Basic programming language to include areas of special interest to mathematicians
Macintosh Plus or larger; True Basic Language Version 2.0 or higher.

The Mathematician's Toolkit extends the power of the True Basic programming language to include areas of special interest to mathematicians. It can be used for high-precision arithmetic, complex number arithmetic, extended precision matrix arithmetic and matrices and vectors of complex numbers. A library for compiling and evaluating formulas is also included. Mathematician's Toolkit includes: HUGELIB, for extended precision arithmetic; MATLIB, which uses HUGELIB to extend the precision of matrix operations and includes operations for transpose, matrix inversion and determinants; CMPLXLIB, which provides complex number arithmetic in True Basic and includes arithmetic operations and complex valued functions; CMATLIB, which extends the capabilities of complex number arithmetic to vectors and matrices of complex numbers; and FNLIB, which allows users to compile and evaluate formulas supplied as input while a program is running.
$79.95 retail
True BASIC, Inc.; 12 Commerce Ave.; West Lebanon, NH 03784; 800-436-2111

MathLab V2.0
Algebra, calculus, three-dimensional plotting
Macintosh 512K or larger.

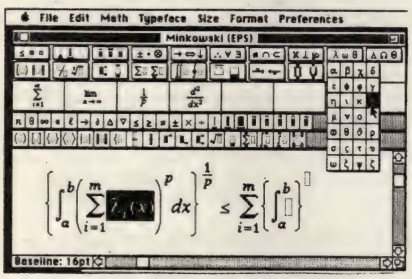
MathLab is a symbolic algebra program designed to solve multivariate polynomial calculus problems. The program adds, subtracts, multiplies, divides, factors, expands, substitutes, differentiates, integrates, performs summations and determines pi products. The program also provides linear, semilog, log-log and three-dimensional plotting functions.
$49.95 retail
E&M Software Co.; 1347 E. Desert Trumpet Rd.; Phoenix, AZ 85048; 602-460-0283

MathLink For Excel And Mathematica
Provides access to Mathematica's capabilities from within Excel
Macintosh Plus or larger; 5 MB of RAM; Mathematica.

MathLink for Excel and Mathematica provides access to Mathematica's superb numerical, graphical and programming capabilities from within Microsoft Excel by implementing the MathLink standard as an Excel macro function.
$50 retail
Wolfram Research, Inc.; 100 Trade Center Dr.; Champaign, IL 61820; 217-398-0700, 800-441-6284 (orders) or 217-398-0747 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

MathType 3.0
Mathematical equations for word processing
Macintosh with 1 MB of RAM; any Apple printer.



MathType is an intelligent mathematical equation editor that allows professors, students, engineers, mathematicians, scientists, statisticians and others to create typeset-quality equations for word processing and desktop publishing documents. MathType has an easy-to-use WYSIWYG display. Equations are created using simple point-and-click techniques; there are no command languages or codes to learn. MathType comes with more than 280 mathematical symbols and templates — everything from long division signs to triple integrals. MathType applies the rules of mathematical typesetting as users type — automatically choosing fonts, style, spacing and position as the equation is entered. Users can then use Object Linking and Embedding (OLE) technology or Cut and Paste commands to incorporate equations into their documents for perfect output every time. A Windows version of MathType is also available. Users of Microsoft Word 5.0 or later qualify for special upgrade pricing. Educational Lab packs and site licenses are available.
$199 retail
Design Science, Inc.; 4028 E. Broadway; Long Beach, CA 90803; 310-433-0685, 800-827-0685 or 310-433-6969 (fax)

MathWriter
Scientific word processing program
Macintosh SE/30 or II family; 2 MB of RAM; hard disk drive.

MathWriter is a complete WYSIWYG scientific word processing program that allows users to enter mathematical expressions as text, not graphics, so that both text and mathematical expressions can be edited in the same document. While MathWriter includes features standard to general word processing programs, such as a spelling checker, thesaurus and automatic hyphenation, the program also automatically sizes and centers mathematical symbols, italicizes variables, formats tables and matrices and shows on-screen renumbering of both equations and references to equations. MathWriter's unique revision tracking allows insertions or deletions while users retain the original version. The changes can then be accepted or rejected, individually or globally.
$395.75 retail; Professional Version
$99 retail; Educational Version (reduced features)
Academic discounts and site licenses are available
Brooks/Cole Publishing Co.; 511 Forest Lodge Rd.; Pacific Grove, CA 93950; 408-373-0728, 800-354-9706 or 408-375-6414 (fax)

Matrix Operations
Matrix entry routines, addition, multiplication, transposition, inversion, eigenvalues and eigenfunctions of symmetric and non-symmetric matrices
Macintosh 512K or larger.

Matrix Operations includes matrix entry routines, addition, multiplication, transposition, inversion, eigenvalues and eigenfunctions. More complex routines involve finding the eigenvalues of symmetric and non-symmetric matrices and the Cholesky decomposition of matrices. The solution of sets of similar equations is provided. Also provided are data transfer programs for the moving of files to and from popular spreadsheet programs.
$145 retail
Lionheart Press, Inc.; PO Box 20756; Mesa, AZ 85277; 602-396-0899, 514-526-7877 or 602-396-0932 (fax)

■ **MicroExpressionist**
Equation editor
Macintosh Plus or larger; System 6.0.5 or later.

MicroExpressionist features an easy-to-read palette, direct cut and paste into presentation documents, a wide selection of scientific symbols and notations, and the same typeset-quality output as the classic version of Expressionist. MicroExpressionist works with popular word processor, page layout and presentation applications and enables users to incorporate technical equations and symbols quickly and easily.
$79 retail
Prescience Corp.; 939 Howard St., #225; San Francisco, CA 94103; 415-543-2252 or 415-882-0530 (fax)

MobileMath, The Newton Math Assistant
Math tool for Newton users
Newton MessagePad; Macintosh Connection Kit.

MobileMath provides Newton users with a math tool that is much more powerful than a calculator. By simply handwriting an equation on a Newton screen, as if writing it on paper, users can get an immediate answer to the equation by highlighting it and tapping the Newton Assist button. Formulas can be saved and used over and over again. Users can create their own equations or take advantage of the more than 80 prewritten formulas that come with MobileMath. MobileMath can solve very advanced math problems, such as annuity schedules and mortgage loan payments, statistical and engineering equations, calculations based on dates and time, as well as simple problems like figuring the tip on a meal. MobileMath is activated by tapping the Assist button, so it is accessed instantly, without having to launch a separate application.
$79 retail
MobileSoft; 307 Orchard City Dr., Ste. 207; Campbell, CA 95008; 408-376-0497 or 408-376-0163 (fax)

PolyMath
Symbolic algebra program for univariate polynomials
Macintosh 512K or larger.

PolyMath is a symbolic-algebra program designed to solve univariate polynomial calculus problems. The program adds, subtracts, multiplies, divides, factors, expands, differentiates, integrates, performs summations and pi products, extracts roots and produces linear, semilog and log-log plots.
$19.95 retail
E&M Software Co.; 1347 E. Desert Trumpet Rd.; Phoenix, AZ 85048; 602-460-0283

PowerMath II
Symbolic mathematical manipulation program; plots expressions; unlimited number size; for students to scientists
Any Macintosh.

PowerMath II solves problems from the most simple arithmetic to symbolic and polynomial calculus problems. It is designed to be a productivity tool for students, scientists, engineers and numerical analysts. The problems can be expressed on the screen in conventional mathematical terms, and there is no limit to size of numbers, length of variables or the form of an expression. Standard symbolic notation is used throughout. There are a variety of built-in functions including transcendental and logarithmic functions stored on disk. Users may store custom-built functions as well.
$149.95 retail
Central Products Corp.; 1606 Indiana; Houston, TX 77006; 713-529-1080 or 713-529-2006 (fax)

Propagator
Neural network development
Macintosh with 68020 or larger processor; 1 MB of free RAM; 2 MB of free disk space; math coprocessor; System 7.0 or later.

Propagator is a neural network development system. It's intuitive graphical interface allows novices and experts alike to train backpropagation networks with little startup time. Neural networks are mathematical models that are able to learn non-linear relationships. They have wide-ranging applications, from financial and economic forecasting to image and speech recognition, signal classification and non-destructive testing. Propagator offers full user control over network parameters, such as learning rate and momentum, and provides three graphs to track training progress and pinpoint problems. It includes the means to add noise to the input set, as well as to train using a validation set. Two productivity tools are included: one that produces C/C++ source code for trained networks and one that scales data according to a user-specified range. Propagator comes with a money-back guarantee and free technical support.
$199 retail
ARD Corporation; 9151 Rumsey Rd.; Columbia, MD 21045; 410-997-5600, 800-969-2731 or 410-997-3902 (fax)

ProType Math
Professional publishing software; typesets mathematical and scientific equations
Macintosh II or larger; A/UX; 8 MB of RAM; 19-inch monochrome or color monitor; SCSI disk controller with 160 MB disk.

ProType Math combines all the typographical and image handling capabilities of ProType with an ability to produce and edit complex mathematical and scientific equations. Fraction bars, underscores, baseline rules and vinculum rules will automatically adjust with the addition or subtraction of characters. A special math spacing value is set at the beginning of a page file. Math spacing saves time by eliminating the need for placing additional space between equations. An operator always maintains complete control over all math defaults, such as point size and set size, which may be changed to fit a particular job. Complex mathematical and scientific equations can be dropped into text blocks easily; the leading automatically adjusts to accommodate multiple line equations. Support of pi characters, including 3 and 5 line math characters, is an important feature whenever setting math. Characters are represented in true width and sizes.
$6,995 retail
Paragon Publishing Systems; Bedford Springs Office Park; 10 Corporate Dr.; Bedford, NH 03110; 603-471-0077, 800-431-1403 or 603-471-0501 (fax)

Simulink
Dynamic nonlinear systems modeling, analyzing and simulation
Macintosh with 68020 or 68030 processor/68881 or 68882 math coprocessor; 12 MB of RAM; Matlab.

Simulink is an interactive system for analyzing, modeling and simulating dynamic nonlinear systems. Its graphical, mouse-driven interface and comprehensive block-diagram library make the modeling of linear, nonlinear, continuous-time, discrete-time, multivariable and multirate systems a fast and intuitive process. Customized and new blocks can be easily added to the library, enabling users to create blocks for specialized needs and protect existing investments in C and Fortran models. Simulink models are portable between computer platforms and revision histories are easily maintained for complicated projects and for models shared within a workgroup. Simulink is built on the Matlab numeric computation and visualization system, offering immediate and seamless access to a comprehensive selection of mathematical and engineering tools for further system analysis.
Call for pricing; educational discounts available
The MathWorks, Inc.; 24 Prime Park Way; Natick, MA 01760; 508-653-1415 or 508-653-2997 (fax)

Sum Total
Multipurpose calculator program
Macintosh Plus or larger; uses 270K of RAM; 400K on System disk; MultiFinder or System 7.

Sum Total is a multipurpose calculator program that provides a broad range of features for scientists, engineers, programmers, graphic artists and business users. These features include: instant access via hot key (even while a dialog box is up), data exchange with Apple Events, name indexed memories, user-defined functions and ease of use. Sum Total can be used in either stack-based, algebraic or command line input modes. The interface supports four user settings, each designed for the needs of specific users. The standard setting provides a streamlined display for general use. The color display provides a color editor, dropper, conversions and specific color functions. The programmer setting displays all results in two simultaneous formats selected by a user, as well as providing Boolean math operations. The scientific display provides a spreadsheet-like vector/matrix editor,

complex numbers and a wide assortment of advanced math and statistical functions.
$99.95 retail
Concurrent Engineering Tools, Inc.; 1115 N. Delmar St., Ste. B; Mesa, AZ 85203; 800-876-2384 or 602-898-3844 (fax)

Surface Plotter
Tool for visualizing three-dimensional surfaces
Macintosh 512K or larger; external disk drive.
Surface Plotter provides a visual representation of the mathematical concepts involved in studying functions. Using Surface Plotter, functions can be defined in rectangular, cylindrical or spherical coordinates, or in rectangular parametric form. It generates three-dimensional images of complex surfaces. The images (or plots) may be displayed one at a time, or organized and displayed as a slide show. The slide show can be shown rapidly, animating the images for more realism. Users have control over color, viewpoint, scale, axes, hidden line removal and the number of points calculated in the direction of each independent variable. Each package includes a user guide.
$43 retail; single user (site licenses and academic discounts available)
Brooks/Cole Publishing Co.; 511 Forest Lodge Rd.; Pacific Grove, CA 93950; 408-373-0728, 800-354-9706 or 408-375-6414 (fax)

Tech
Scientific and mathematical fonts
Any Macintosh; ImageWriter or LaserWriter.
Tech has six major font families: Tech, Tech+Text, Hi Tech (half superscript), Lo Tech (half subscript), Tech+Text I, Tech-Equation, available in 9, 10, 12, 18, 20, 24, 36 and 48 point. Two other micro height fonts, Fraction bar and Fraction bar+ assist in complex fractions. Each family has more than 1,300 individually designed scientific symbols including the English and Greek alphabets and all of the standard symbols needed for scientific equations in mathematics, engineering, physics, economics, astronomy, chemistry, etc.
LaserTech is comprised of four LaserWriter fonts for math and science equation symbols: Tech Equation, which has the standard equation form of the English alphabet, Tech Text, which has both text and equation symbols and Times based Tech Text and Tech Equation T. More than 20 overstrike keys have automatic non-deleting backspacing and can be typed over any letter in the font (and over letters from other fonts such as Times and Times Italic).
$79.95 retail; Tech
$99.95 retail; LaserTech
Linguist's Software; PO Box 580; Edmonds, WA 98020; 206-775-1130 or 206-771-5911 (fax)

Ternary Plot 3.5
Ternary plotting (triangular diagrams) with text and graphics tools
Macintosh 512K or larger.
Ternary Plot is a graphic plotting application that normalizes and plots three values (including negative values) on a triangular diagram. Diagrams can be saved as MacDraw PICT or transferred via the Clipboard to any draw-type application. Text and graphic elements are MacDraw-like objects and can be edited with a draw-type application. Ternary diagrams can be plotted at three triangle sizes (1.3-, 2.6- and 4.2-inch sides) or any corner can be enlarged to fill the screen. An unlimited number of data sets can be plotted on the same ternary diagram. The maximum size of any single data set is limited only by available memory (files with more than 2,000 points can be plotted on a 1 MB Mac). Data can be entered in a ternary plot in four ways: text files, Clipboard, keyboard and interactively by clicking the mouse in the triangular area. All data is error checked. A diagram title and apex labels can be added or changed at any time. All text can use subscripts and superscripts. Eleven plot symbols plus sample numbers, tie lines and line segments can be plotted in eight colors. The same data set can be plotted with symbols, numbers and tie lines to produce a plot of numbered symbols connected by lines. An apex factors option allows values for any corner to be multiplied by a factor before normalization. Drawing tools consist of lines, circles, ovals, rectangles, triangles, hexagons and a free-hand pencil. Legends can be easily created with symbols and text from the Legend option. Additional text can be placed anywhere on the diagram. Tick marks and grid lines can be specified from a dialog box. Version 3.5.7 is System 7 compatible.
$150 U.S. retail
$40 U.S. retail; upgrade from any version
Pierre Zippi, PAZ Graphics; 18640 Roads End Cir.; Eagle River, AK 99577; 907-696-5702

Theorist 1.53
Symbolic algebra and graphing program
Macintosh Plus or larger; 1 MB of RAM.
Theorist is a WYSIWYG symbolic algebra and graphing program that makes mathematics easy and more productive. It lets users manipulate equations more easily and accurately than by hand. Theorist is interactive; users see the equations and manipulate them on screen with the mouse. There is no complex programming language to learn. Math capabilities include: symbolic and numeric integration and differentiation; matrix and linear algebra; real and complex trigonometry and hyperbolic functions; complex arithmetic and algebra; Chebyshev, Legendre and Taylor series; spherical harmonics; matrix powers, inversions, adjoints and determinants; and symbolic polynomial expansion, collection and factoring. Graphing capabilities include: polar, linear, semi-log, parametric, density and contour plots; rectangular, cylindrical and spherical coordinates; multiple line and surface plots; animation; and save as PICT, EPS and PICS files. Theorist is System 7 savvy and supports Balloon Help.
$289.95 retail; educational discounts, site licenses and network version available
Waterloo Maple Software; 450 Phillip St.; Waterloo, Ontario, Canada N2L 5J2; 519-747-2373, 800-267-6583 or 519-747-5284 (fax)

Vertical Markets/Non-Profit Agencies

The Associateur V5.0
Membership management
Macintosh IIsi or larger; hard disk drive; 4th Dimension 3.0 Runtime; LaserWriter.
The Associateur is a multiuser database designed for organizations requiring control of their membership. It provides a built-in mail merge, various mailing label formats, conference labels, business classifications, committee management, event activity, invoicing, statements, accounts receivables with 30-/60-/90-day balances, export to general ledger, export for publishing, adhoc searches, sorts and reporting, as well as many fixed reports including dues forecast displayed/printed in one of four graph types. Each member (company) is assigned from one to many representatives. Representatives are responsible for dues, correspondence, invoices, voting and more. They are assigned to committees with no limitations to their participation. The program allows up to five pages of comments to be entered for members, representatives and committees. A Deferred Revenue option is available for an additional fee.
$2,750 retail; single user
$35 retail; demo
Orca Software Solutions; 3385 Rancho Vista Ct.; Gilroy, CA 95020; 408-848-3046

DonorPerfect
Fund raising software
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; printer.
DonorPerfect is designed to meet the specialized needs of non-profit fund-raising organizations. The system maintains donor and prospect records, processes pledges and gifts, automates mailings and lists and provides unlimited summary and statistical reporting. DonorPerfect's flexible data screens are installed with a custom interface, tailored to each user's specifications. Relational Query By Example (RQBE) makes sophisticated queries simple and fast. The ongoing support and services program includes setup and installation, data transfer from other systems, hot-line telephone support, remote diagnostics (via modem), quarterly newsletters, onsite or special training sessions and regional user meetings. Comprehensive documentation and online help are provided. Annual updates and enhancements are released at no charge to support clients.
$2,295 retail; single user
$3,895 retail; multiuser
SofterWare; 540 Pennsylvania Ave., #200; Ft. Washington, PA 19034; 215-628-0400, 800-220-8111 or 215-628-0585 (fax)

DonorWorks
Fund-raising package
Macintosh Plus or larger; System 6.0.7 or later.
DonorWorks is a robust fund-raising package that will track potential and actual donors, subset them into many different groups for intelligent reporting, record gifts, print receipts (four different ways) and then allow users to search their giving history based on what they are looking for. Some of its many features include a flexible pledge system that can accommodate almost any need, built-in word processor with mail-merge fields, tickler file for to-do tasks, export of data, passwords, alumni directory, renewal system for membership organizations, honor roll, major donor tracking, cross reference donors two different ways, CASS certification, user-definable fields and a point of sale module. StarSoft offers a full line of support and training services, and they can import a user's current data. DonorWorks runs on the Macintosh and Windows, and soon on the PowerPC (and perhaps OS/2, NT Windows and Motif), all on a mixed network.
$1,895 retail; single user (multiuser available)
Call for brochure, information booklet, full demo or manual
StarSoft Technologies, Inc.; 1306 W. Bellwood Dr.; Spokane, WA 99218; 509-466-4800

FundWorks
Integrated fund raising
Macintosh Plus or larger; 2.5 MB of RAM; hard disk drive; System 6.0 or later.
FundWorks offers Macintosh users a robust fund raising system designed to handle all the needs of a multifaceted fund development, featuring the easy-to-use graphical interface made famous by Apple Computers. From donor profiling, gift and pledge management, all the way through capital campaign tracking and major donor cultivation, FundWorks has it all and much more. Its built-in word processor enables users to generate letters and envelopes without ever leaving the program. And, because it is written in a powerful database language, users can access the entire database for targeted fund raising solicitations.
$1,895 retail; Standard FundWorks (single user)
Master Systems; 1249 Pinole Valley Rd.; Pinole, CA 94564; 510-724-1300, 800-827-7214 or 510-724-5382 (fax)

GiftMaker 3.1b
Fund-raising, membership and mail list management software for new or small non-profit organizations
Macintosh Plus or larger (LC or larger recommended); hard disk drive; laser printer (recommended) or ImageWriter.
GiftMaker is designed and priced with a new or small non-profit in mind. It enables an organization to automate all of the basic functions associated with fund-raising, including create personalized mailings; mailing labels; donation and pledge processing; thank-you and reminder letters; gift reporting; membership tracking; ad hoc report generator; store detailed information on each donor/prospect, including unlimited notes; and much more. Services provided include Macintosh hardware sales and recommendations; support and training; data conversion; and network design and implementation.
$975 retail; GiftMaker SU (single user)
$1,375 retail; GiftMaker MU (three users)
Call for pricing on larger multiuser systems
Campagne Associates, Ltd.; 491 Amherst St.; Nashua, NH 03063; 800-582-3489 or 603-595-8776 (fax)

GiftMaker Pro 5.0
Advanced fund-raising, membership and mail list management software for non-profit organizations
Macintosh Plus or larger (LC or larger recommended); hard disk drive; laser printer (recommended) or ImageWriter.
GiftMaker Pro brings a new level of functionality and ease of use to a development office. This powerful fund-raising, membership and mail list management software is designed for fund-raising professionals who need detailed information at their fingertips. GiftMaker Pro provides the information users need to become

successful while automating the manually intensive tasks associated with fund-raising. And most importantly, GiftMaker Pro delivers the three essential benefits users expect from a fund-raising system: improved data integrity and accuracy; increased office productivity; and more personalized correspondence in all aspects of fund-raising. Features include: detailed information on each donor/prospect, including biographical information, unlimited addresses, affiliations, unlimited notes, summary and detailed gift history; complete gift processing, including pledge scheduling; generates all acknowledgement and reminder letters; summary and detailed gift reporting; complete membership management; advanced ad hoc report generator; multilevel security; mailing labels; donor profiles; and much more. Services provided include Macintosh hardware sales and recommendations; support and training; data conversion; and network design and implementation.
$3,490 retail; GiftMaker Pro SU (single user)
$3,990 retail; GiftMaker Pro MU (three users)
Call for pricing on larger multiuser systems
Campagne Associates, Ltd.; 491 Amherst St.; Nashua, NH 03063; 800-582-3489 or 603-595-8776 (fax)

MacSys Grant Manager
Research administration database system
Macintosh SE/30 or larger; 8 MB of RAM; 80 MB hard disk drive.

The MacSys Grant Manager is a 4th Dimension-based client/server research administration database system. Originally designed for a national medical research funding organization, this system is designed to match research funding applications to appropriate reviewers. Given the large demand for research funding, selecting the most appropriate projects is critical to maximizing investment value. This system determines matches between funding proposals and any number of reviewers in order of their qualification to evaluate the given proposal. This assures that the funding request is evaluated by the most qualified individuals. The matching algorithm can be based on any number of keywords assigned to both the reviewer and the funding application. This system is designed to be easy to use even for disciplines in which the terminology is highly complex. It can be easily configured to other "matching type" applications. It is customizable as required.
$25,000 U.S. retail; single user (4D Server compatible)
MacSys Inc.; 362 Terry Fox Dr., Ste. 200; Kanata, Ontario, Canada K2K 2P5; 613-591-9200 or 613-591-8089 (fax)

MacTrac 4.0
Professional fund raising software
Macintosh Plus or larger; hard disk drive; System 6.0 or later.

MacTrac gives non-profit fund raisers the kind of powerful tools they'll need for modern-day fund raising. Using MacTrac, fund raisers can easily enter donors and gifts into a fast, powerful and fully relational Microsoft FoxBase database. They can print pledge reminders, gift acknowledgements, membership renewal notices, mailing labels, personalized letters and more than 30 standard and customized reports. MacTrac features enhanced batch gift entry, Zip code reports, automatic reports, elimination of duplicate names and linked records. New optional modules include: Grant and Major Donor Tracking, Networking Capability, Volunteer Tracking and an interface to Peachtree Accounting for Macintosh software. MacTrac comes with a 400-page manual, 90 days of free telephone support, a 60-day money-back guarantee and a quarterly newsletter.
$1,295 retail
The Technology Resource Assistance Center; 530 Oak Grove Ave., Ste. 101; Menlo Park, CA 94025; 415-853-1100, 800-676-5831 or 415-853-1677 (fax)

MapPower's Community Development Management System
Helps manage the administrative and financial tasks of an agency
Macintosh II family; 16 MB of RAM; 80 MB hard disk drive; 13-inch color monitor.

MapPower's Community Development Management System has been developed as a decision support system to help solve the problems encountered in managing Community Development agencies. It can be used to automate departmental operations and procedures. Community Development includes both Block Grant and Rehabilitation Areas. In minutes the program can perform data analysis and create reports that may take hours with existing manual methods. Information about all of a user's Programs and Projects is entered into one datafile, eliminating the redundant effort and errors created by constantly re-entering information on forms and reports. All current application forms and reporting forms are generated automatically. The built-in Calendar and Action Tracking System insure that crucial Program and Project dates will always be visible and scheduled correctly. MapPower offers a revolutionary system to manage an agency's applications, programs, activities, projects, contracts, bids, loans and financial reporting.
$8,995 retail
MapPower Corp.; 17 Main St., Ste. 313; Cortland, NY 13045; 607-756-4150 or 607-756-5550 (fax)

ProFile
Professional fund raising administration/accounting
Macintosh Classic or larger; hard disk drive; printer.

ProFile allows a professional fund raiser to instantly access donor information in virtually any combination of biographical and/or geographical donor detail. Gifts are recorded by donor, honored or memorialized individual, gift type, source or event and application fund. Analysis of gifts can be generated for any classification for any period of time desired by a user. ProFile monitors pledge activity. Cash receipts based on current pledges can be forecast to assist in planning expenses. The program includes batching controls to assist a user in verifying the dollar amounts entered. There is no need to sort pledge payments from other types of gift entries or to sort by account, type, etc. The program was designed to be used in conjunction with Microsoft Word for the generation of personalized direct mail.
$1,250 retail
ProActive Software, Inc.; 13201 Rivercrest; Little Rock, AR 72212; 501-224-5634, 800-852-9214 or 501-225-5428 (fax)

Servus 2.0
Volunteer database software
Macintosh Plus or larger; 1.5 MB of available RAM; hard disk drive; 800K disk drive; System 4.2 or later.

Servus is designed for corporate volunteer programs and organizations that manage volunteers and service projects. It tracks information about volunteers, such as skills, interests, schedules, activities and hours. It also tracks the profiles, needs and schedules of volunteer projects. Servus can match volunteers with projects that need them, and has built-in form letter and mailing label capabilities that help coordinators stay in touch. Servus also produces detailed reports and compiles important organizational statistics.
$395 retail
MicroAssist, Inc.; 1920 Roosevelt Dr., Ste. 43; Northfield, MN 55057; 507-663-1792, 800-735-3457 or 507-645-2763 (fax)

Vertical Markets/Oil & Gas

Argus MeshMaker Pro 2.0
General purpose finite element and finite difference pre-processor for numerical modeling, including Geographic Information System and an on-screen digitizer
Macintosh with a math coprocessor; 8 MB of RAM; hard disk drive; System 6.0.4 or later.

Argus MeshMaker Pro is designed for and used by engineers and scientists using finite element and/or finite difference numerical models to model ground water flow, petroleum reservoirs, oceanographic, coastal and marine systems, mineral mining and surface flow. The auto mesh generator and auto grid generator allow for intuitive and easy creation of complex meshes and grids. Elements, nodes and blocks are editable objects using click and drag techniques. Material properties, boundary and initial conditions, topography, etc., can be digitized on screen or imported from DXF files into information layers. The GIS automatically assigns each element, node and block its appropriate value in each of the information layers. Additional capabilities include querying, zooming intuitive mesh and grid density setting, support of bitmap and PICT formats, and export templates allowing export to any numerical model.
$1,000 retail; free demo available
Argus Interware, Inc.; 11 Merit Ln.; Jericho, NY 11753; 516-931-4725 or 516-942-5040 (fax)

Fluid Calc
Computes fluid parameters
Macintosh 512K or larger.

Fluid Calc computes properties for gas, oil and water based on commonly used correlations. The equations and references used for calculations are provided in the program's documentation. Fluid Calc lets a user perform particular calculations, such as "z factor," or all properties for a particular fluid, such as all gas properties. Property calculations include z factors, densities, compressibilities, viscosities, formation volume factors, m(p) functions, bubble point pressures, GORs and GWRs. Different correlations are also available for an additional fee.
$85 retail
The Logic Group; PO Box 50499; Austin, TX 78763; 512-451-5707 or 512-451-2300 (fax)

Log Interpret!
Well log interpretation
Macintosh Plus or larger.

Log Interpret! is a well log interpretation program. It computes reservoir properties, such as shale volume, porosity and water saturation by different techniques. The program allows users to quickly enter needed parameters and compare techniques. Results are displayed in tables and graphs. Log Interpret! includes most standard open-hole logging calculations, including shale, borehole and gas corrections. The program provides several cross-plots with lithology overlays to aid users in determining the type of lithology. It also includes a general graphing option where users can completely specify depth-log graphs. These graphs can combine data and results or related information, such as core data. Graphics can be displayed or printed. Data files used in Log Interpret! are ASCII files with a column format.
$450 retail
The Logic Group; PO Box 50499; Austin, TX 78763; 512-451-5707 or 512-451-2300 (fax)

MacDigi
Well log digitizing
Macintosh Plus or larger; hard disk drive; digitizing tablet.

MacDigi provides an interface between a Macintosh computer and a digitizing tablet to let a user quickly and simply trace well log curves. A user specifies which curve to digitize and the log scale, then traces the curves in a continuous fashion. Portions of a curve can be redigitized if errors occur. On and off scales can be toggled as needed, and either linear or logarithmic scales can be chosen. Data is processed according to a user-specified increment (e.g., 0.5 feet), and created output files are column ASCII files that are easily imported into other programs. The digitizing tablet can be connected to the computer through the serial or ADB port.
$500 retail
The Logic Group; PO Box 50499; Austin, TX 78763; 512-451-5707 or 512-451-2300 (fax)

MacLog
Wireline log evaluation application
Macintosh with Color QuickDraw; System 6.0.4 or later.

Wireline logs measure subsurface rock characteristics, such as resistivity and bulk density in oil, gas and water wells. MacLog processes the subsurface log measurements and transforms them into values of porosity, lithology, water, gas and oil saturation. This helps geologists locate oil and gas-bearing zones within the rocks. MacLog can use other data (in ASCII from two to 18 columns), such as core, geochemical analysis, drill rate, methane, ethane, etc., that can be plotted and cross-plotted with wireline log data. Histograms of logs and other data are available. Interactive point, click and drag Sw line, Rwa and m are available with Hingle and Pickett plots. MacLog graphics plots can be saved as PICT and paint files. Log curves and computed lithology from 1, 2, 3, 4 and 5 mineral models may be saved as individual objects and pasted into other applications to make geologic fence diagrams and well to

well correlations. MacLog data and answers may be saved as space and tab-delimited ASCII files for export to other applications. Data input is available in several ways: MacLog Digitizer with tablets and drivers that support Apple's Absolute Pointing Device Memory Structure, MacLog LIS Read, keyboard entry with values read from the logs, Wiltshire Geological Services ASCII files downloaded from logging company tapes and word processor and spreadsheet files saved in ASCII. Symbols for DST, perforations and lithology may be added to evaluation graphics.
$4,000 retail
Bowler Petrophysics, Inc.; 243 E. 19th Ave., Ste. 204; Denver, CO 80203; 303-860-1641 (phone/fax)

MacLog Create
Applies functions, operators, curve fits, simple programming and writes new user-defined curves for use in MacLog
Macintosh with Color QuickDraw; System 6.0.4 or later.

Users can generate their own curves, which may be used in MacLog for determination of porosity, Vclay, Sw and Sxo. Other curves may be generated and displayed. Users may also generate synthetic transform curves, which have use in other wells with minimal logs. Operators available include: ^, *, imod, idiv, /, +, - and =. Functions are: abs, sqr, sqrt, sin, asin, cos, acos, tan, atan, exp, ln, log, sinh, invsinh, cosh, invcosh, tanh, invtanh, inv, trunc and round. Least squares curve fits are: linear, log, ln, power, exponential, parabolic and polynomial 2-4 terms. Radius of curvature TVD log curves may be generated from ASCII survey data. Simple programming may be used to generate user-defined porosity, Sw, Vclay and other curves. Users may remove sections of rock, such as igneous intrusives in up to 72 zones to generate better log sections. VclayDN may be curve fit to VclayGR and a new clay curve may be generated for use in bad hole or gas bearing zones.
$500 retail
Bowler Petrophysics, Inc.; 243 E. 19th Ave., Ste. 204; Denver, CO 80203; 303-860-1641 (phone/fax)

MacLog Digitizer
Digitizes wireline logs with tablets that support Apple's Absolute Pointing Device Memory Structure
Macintosh SE or larger; System 6.0.4 or later.

MacLog Digitizer digitizes hard copy wireline logs, core, mudlog and other data with tablets that support Apple's Absolute Pointing Device Memory Structure. MacLog Digitizer has been tested on Kurta IS/ADB, CalComp Drawing Board II and Summagraphics SummaSketch II tablets. The resulting 4-byte real number files are used as input to the MacLog wireline log evaluation application. Output may also be saved as space- and tab-delimited ASCII files for export to other applications. MacLog Digitizer remembers the curve scales from the last digitizing session after the Macintosh is shut down. Users may select a control curve to view along with each curve immediately after digitizing. This helps in curve depth control. Users may also redigitize starting anywhere on the tablet immediately after digitizing if they wish to do so.
$500 retail
Bowler Petrophysics, Inc.; 243 E. 19th Ave., Ste. 204; Denver, CO 80203; 303-860-1641 (phone/fax)

MacLog LIS Read
Decodes wireline log digital data
Macintosh SE or larger; System 6.0.4 or later.

MacLog LIS Read decodes wireline log digital data that is written in the Log Information Standard (LIS) format. LIS data on floppy disk is available from major wireline service companies and can be delivered in the field or at computer centers. MacLog LIS Read will read data in LIS format and transform it into 4-byte real number files for input to the MacLog wireline log evaluation application. This means that users do not need to digitize or enter data by keyboard when LIS and other data is available on floppy. MacLog LIS Read will also read Atlas BIT, LIS.TIF, PC.DAT, ASCII.DAT, QC Data LGMOUT ASCII, Energy System ANSI ASCII, LogScan ASCII, Canadian Well Logging Society LAS ASCII, Deep Sea Drilling LIS, Rocha ASCII and raw ASCII files. Any of the resulting 4-byte real number files may be converted to a SEG-Y file to be imported by Macintosh seismic modeling software. Any or all of the curves may be included in the SEG-Y file. The SEG-Y file may also be written to an ASCII file that can be opened by a word processor and inspected.
$2,500 retail
Bowler Petrophysics, Inc.; 243 E. 19th Ave., Ste. 204; Denver, CO 80203; 303-860-1641 (phone/fax)

Oil Well Blowout
Relief well proposal program
Macintosh 512K or larger.

Oil Well Blowout is a relief well proposal program that calculates a path that will be parallel to the blowing well where it is intersected. Proposal may be re-drawn at the site using MWD or other survey data.
$4,000 retail
Houston Directional Software; PO Box 2081; Ogunquit, ME 03907; 207-646-6233 or 800-835-0213

Oil Well Directional Package
Oil well planning and drilling
Any Macintosh.

The Oil Well Directional Package is comprised of two programs: Survey Calculation and Proposal. The Survey Calculation Program calculates and prints directional well surveys. The Proposal Program plans simple and complex directional wells, including multiple targets, three-dimensional plans from non-vertical kickoff, correction runs and relief wells. The Complete Directional Well Package includes page size to 36-inch plots, collision avoidance, analysis of uncertainty and three-dimensional views.
$2,500 retail; Survey Calculation Program
$4,000 retail; Proposal Program
$12,000 retail; Complete Directional Well Package
Houston Directional Software; PO Box 2081; Ogunquit, ME 03907; 207-646-6233 or 800-835-0213

Oil Well Screen Plot
Scaled plan and section views of well paths
Any Macintosh.

Oil Well Screen Plot is designed to display separately scaled plan and section views of one or two well paths on a Macintosh screen. The views are initially scaled to show the complete path, but the scale and centering may be adjusted by a user. The screen plot is available from within the HDS proposal program so that a proposed path may be viewed, or as a stand-alone program.
$2,000 retail
Houston Directional Software; PO Box 2081; Ogunquit, ME 03907; 207-646-6233 or 800-835-0213

Seismic Processing Workshop
Seismic data processing system
Macintosh II, Centris, Quadra family or Power Macintosh; 8 MB of RAM; System 7.0 or later.

Seismic Processing Workshop (SPW) is a high-performance, 2-D and 3-D interactive seismic data processing software package for the Macintosh and the Power Mac platforms. SPW possesses a unique flowchart-style graphical user interface, creating graphical data processing controls that are easy to learn and use. A full complement of batch and interactive seismic processing tools make up the SPW Processing Library. There are more than 50 interactive seismic data processing and analysis tools for refining and optimizing seismic data, as well as more than 100 batch processing procedures in the complete SPW package. From DMO to deconvolution, data input to final migration, SPW incorporates a wide ranging collection of batch processing steps to meet most every processing need and demand. Delivering truly outstanding price/performance, multiprocessing, multi-threading functionalities have been woven into SPW, allowing exploitation of multiple, low-cost, plug-in CPUs for high data throughput. In addition, a variety of standard hardware peripherals are supported for data input/output and printing/plotting. SPW systems can be configured as stand-alone seismic data processing systems or integrated into a networked environment to seamlessly link to other geological and geophysical software packages for multitasking and data transfer.
Call for pricing
Parallel Geoscience Corp.; 4807 Spicewood Springs Rd., Bldg. 2; Austin, TX 78759; 512-346-4040 or 512-346-0088 (fax)
FAX⊙NDEMAND 1-800-872-3293 **170**

SPW Drafting Package
Seismic data for drafting
Macintosh II, Centris, Quadra family or Power Macintosh; 8 MB of RAM; System 7.0 or later.

The SPW Drafting package allows seismic data input (SEG-Y), data manipulation and output of high-resolution (up to 600 dpi) PICT images of seismic data for incorporation into displays, montages and reports. In addition, merging of seismic data sets, horizon flattening, time or phase shift corrections, filtering, gaining and a variety of other functions are included in this SPW product, allowing easy manipulation, control and output of high-resolution displays. It provides users with easy-to-use tools for quickly generating high-resolution seismic PICT images for direct output or incorporation into high-quality presentation graphics that can practically sell themselves.
Call for pricing
Parallel Geoscience Corp.; 4807 Spicewood Springs Rd., Bldg. 2; Austin, TX 78759; 512-346-4040 or 512-346-0088 (fax)

SPW FieldPower Package
Seismic data processing
Macintosh II, Centris, Quadra family or Power Macintosh; 8 MB of RAM; System 7.0 or later.

The SPW FieldPower package possesses complete field QC and seismic data processing capabilities, delivering high-end workstation performance at low-cost PC prices. A full suite of seismic data acquisition instrument tests are combined with the complete SPW software package to create this high-performance field portable QC and seismic data processing solution.
Call for pricing
Parallel Geoscience Corp.; 4807 Spicewood Springs Rd., Bldg. 2; Austin, TX 78759; 512-346-4040 or 512-346-0088 (fax)

SPW Tape I/O Package
Interactive seismic data input/output and tape copy package
Macintosh II, Centris, Quadra family or Power Macintosh; 8 MB of RAM; System 7.0 or later.

The SPW Tape I/O package is an economically priced interactive seismic data input/output and tape copy package. All standard SEG formats are supported, as well as SEG-2, Bison and Abein formats. Users create tape copies using simple push button controls, choosing either tape-to-disk-to-tape or tape-to-tape method. SPW's graphical flowchart-style interface and easy-to-use pull-down menu selections combine to give users simple controls for all operations. On-screen data display for quality control, on-screen filtering and gain applications, trace and record analysis tools and much more has been incorporated into this SPW product. An assortment of hardware I/O peripherals are supported, including 9-track Exabyte, DAT and 3480 tapes, as well as network transfers.
Call for pricing
Parallel Geoscience Corp.; 4807 Spicewood Springs Rd., Bldg. 2; Austin, TX 78759; 512-346-4040 or 512-346-0088 (fax)

Vertical Markets/Personnel Management

!Trak-It AT
Applicant tracking system
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.

!Trak-It AT is an applicant tracking system that generates standard letters, produces EEO reports and analyzes the costs and statistics of recruiting and retrieves qualified applicants. The program provides information on skills; school and past employer retrieval; standard and custom letters; routing status; EEO applicant flow; source, activity and recruiter statistics; applicant profiles; custom reports; and more. !Trak-It AT provides more than 80 built-in standard reports and letters, most with sort and select options. A built-in custom report generator and a custom letter generator are also included.
$1,295 retail
$1,195 retail; multiuser option
!Trak-It Solutions; 485 Pala Ave.; Sunnyvale, CA 94086; 408-737-9454 or 408-737-9456 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

!Trak-It HR
Human resource management system
Macintosh Plus or larger; 2 MB of RAM.

!Trak-It HR is a human resource system that provides the storage and management of information needed to respond to management, employee and government needs. Available information includes: personal details, job review dates, unlimited job and salary histories, compensation statistics, EEO reports, skills retrieval, bonuses, attendance tracking, vacation/sick accrual, benefits administration, insurance reports, Cobra billing, dependents, injuries, training, licenses, educational background and I-9 citizenship tracking. Data entry and updating is done by using fill-in-the-blank forms on screen. Data is automatically checked for errors as it is entered. An optional Attendance Tracking module calculates accrued hours for vacation, sick and personal benefits. It also tracks absences and provides absence statistics reports. Users have the flexibility to define their own rules for calculating accrued benefits and their own table of absence reasons. !Trak-It HR provides more than 100 standard reports, most with sort and select options. A built-in custom report writer and letter generator are also included.
$695 to $1,695 retail; Base System
$695 retail; Attendance tracking module
$1,195 retail; Multiuser option
!Trak-It Solutions; 485 Pala Ave.; Sunnyvale, CA 94086; 408-737-9454 or 408-737-9456 (fax)

ATS-Pro
Applicant tracking system
Macintosh with System 7 or later; 8 MB of RAM.

ATS-Pro is a comprehensive applicant tracking system available as a stand-alone program or as a module in the HRIS-Pro employee tracking system. ATS-Pro is designed to manage applicant data, job requisitions, applicant interviews and automatically generate all applicant correspondence. It allows search for applicant or requisition data based on user-defined criteria; generates interview schedules and documents all contact with applicants; generates unlimited reports and statistics; tracks job openings and publishes job postings; and monitors and analyzes applicant flow, recruiting costs and sources. A single initial data screen allows for rapid input. The powerful, easy-to-use report writer creates standard and custom presentation-quality, informational, analytical and what-if reports within minutes. Utilities/features include customization tools, multilevel security, SQL, data validation, context-sensitive help and full online documentation. ATS-Pro for the Macintosh is cross-platform compatible with ATS-Pro for DOS and Windows.
$3,500 retail; single user
$1,500 retail; each network user
Human Resource MicroSystems; 160 Sansome St., Ste. 1450; San Francisco, CA 94104; 415-362-8400, 800-972-8470 or 415-362-8595 (fax)

Division Officer's Notebook
Helps junior Naval and Coast Guard Officers keep track of people working for them within their division
Macintosh Plus or larger; HyperCard 1.2.5; System 6.0.2 or later.

Division Officer's Notebook (DON) is a database management system designed to help junior Naval and Coast Guard Officers keep track of the people working for them within their division. There are three versions of DON: DON 1.5.5 for the Macintosh (MacDON); DON 1.0.1 for Windows 3.0 (WinDON); and DON 1.1 for DOS (DOSDON). All three versions have the same areas for entering information, allow users to navigate around the program in the same manner and in general behave in the same way. The six categories that are included are: Important Dates, Advancement, Personal Data, Professional Data, Education Data and Rate Info. The program is written by former US Navy Officers and is based on their experience in the fleet. Government contracts are welcome.
$65 retail
Mardun Software Ltd.; PO Box 7102; Columbia, MO 65205; 314-443-0301 (phone/fax)

Employee Handbook Toolkit
Includes a complete professional draft of an employee handbook
Macintosh 512K or larger; word processor.

From company mission statements to the specifics of compensation and benefits, the employee manual is the textbook reference for a business. The Employee Handbook Toolkit includes a complete professional draft of more than 40 pages formatted to work with any leading word processor. It covers the latest issues, plus more than 45 policies and 22 benefits in draft form, with valuable commentary on why and what to include and modify. The Employee Handbook Toolkit covers the bases for employers, including standard items and the difficult new issues, such as: drug testing, harassment in the workplace, alternative work weeks, cafeteria plans, child care leave, model safety program, Americans with Disabilities Act and non-disclosure and termination agreement. Along with the proposed draft and commentary, an implementation guide is included that explains how to schedule meetings, agendas, etc., to implement policies and benefits with employees.
$129.95 retail
Palo Alto Software; 144 E. 14th Ave.; Eugene, OR 97401; 503-683-6162, 800-229-7526 or 503-683-6250 (fax)

■ **EmployeeManualMaker**
Human resources project management
Macintosh Plus or larger; System 6.0.7 or later; hard disk drive recommended.

EmployeeManualMaker consists of 110+ policies and 30+ benefits already organized, defined and written. To create a customized employee handbook, users edit directly on screen using a word processor. Topics covered range from employment policies, standards of conduct and compensation and performance policies, to benefits programs for vacations, holidays and leaves of absence, health coverage and retirement plans. Other policies cover education, safety and security and union activity. Expert's comments within each section explain issues and make suggestions. More than 100 pages are already typed and formatted into word processing files. An Employer's Survival Guide includes 11 sample forms and memos, including an employment application, an offer letter, an orientation checklist and a performance review. Pertinent articles address current issues, such as drug testing and harrassment.
$139 retail
JIAN; 1975 W. El Camino Real, Ste. 301; Mountain View, CA 94040; 415-254-5600 or 415-254-5640 (fax)

HeadHunter
Recruitment Information Manager
Macintosh PowerBook, LC or larger; 4 MB of RAM; hard disk drive; FileMaker Pro.

HeadHunter is an entry-level information manager designed specifically for the sole practitioner or individual recruiter in any employment agency, search firm or employment organization. HeadHunter is an easy-to-learn and use information manager with an upgrade path to the advanced features and multitasking capabilities of MacHunter RMS or PcHunter RMS from Micro J. HeadHunter, offering true Macintosh and IBM PC compatibility, provides files for Candidates and Companies with pop-up logs for Calls, Job Orders, Presentations and Interviews. It provides search and retrieval on any record, as well as a variety of reports, import, export and mail merge, and many other features found in FileMaker Pro.
$695 retail; single user
Micro J Systems, Inc.; 602 Santa Monica Blvd.; Santa Monica, CA 90401; 310-458-1997 or 800-995-4868

HRIS-Pro
Employee tracking and benefits administration system
Macintosh with System 7 or later; 8 MB of RAM.

HRIS-Pro is a comprehensive employee tracking and benefits administration system to which additional modules and features can be added to fit an organization's needs and style. The Employee Tracking System tracks personal, job, compensation and EEO data, as well as unlimited employment history, safety/OSHA incidents and qualifications (skills, education, training). The Benefits Administration System manages employee insurance and retirement benefits, including flexible benefits/spending accounts and COBRA administration. Fully-integrated modules/features include payroll interface, organizational charting, time off tracking, corporate roll-up routine, position control/succession planning, applicant and requisition tracking. (The latter is also available as a stand-alone product, ATS-Pro). The powerful report writer creates standard and custom presentation-quality informational, analytical and what-if reports within minutes with user control over font selection and placement of text, graphics and calculations. Utilities/features include customization tools, SQL, multilevel security, data validation and context-sensitive help. HRIS-Pro for the Macintosh is cross-platform compatible with HRIS-Pro for DOS and Windows.
$7,500 retail; base system (single user)
$1,000 to $3,000 retail; each optional add-on module
$1,500 retail; each network user
Human Resource MicroSystems; 160 Sansome St., Ste. 1450; San Francisco, CA 94104; 415-362-8400, 800-972-8470 or 415-362-8595 (fax)

Human Resource Solutions
Personnel management
Macintosh Plus or larger; 4 MB of RAM.

Human Resource Solutions is a comprehensive personnel management system that tracks detailed employee information and generates management reports for all phases of the working environment. The Employee Status File includes all general information on an employee. Entry layout screens track information on vacation time, absenteeism, LOA, disciplinary actions, terminations and grievances. The Applicant File tracks information obtained from the employee application and pre-employment interview. The Job Tracking area accumulates and reports all actions related to an employee and the current job, as well as previous positions. The Safety area provides for the prevention of job-related accidents and the accurate reporting of accidents that have occurred. The Benefits area aids employers in tracking and summarizing dollars spent on employees and their dependents.
$995 retail; single user
$15 retail; working demonstration
Vertical Software Development; 9 Cypress St.; Rome, GA 30161; 706-295-2143

Human Resources Management System (HRMS)
Personnel tracking
Macintosh Plus or larger; 2 MB of RAM; System 6.0.2 or later.

Combining the tailor-made benefits of custom programming with the low-cost of generic software, HRMS represents a unique approach to human resources management. Standard generic employee information is captured in the generic portion. A user selects five of 10 available modules. The base price includes custom alteration or expansion of one of the selected modules. Users select from work assignment/pay rate history, electronic photo/ID card, evaluations, education/training, sick/injury, hazardous exposures and more. The base price also includes multilevel password protection, user-defined standard choices windows, custom report/label generation and the ability to insert shift schedules for morning reports, payroll records or attendance projections. Further customization is available at reasonable rates (submit specifications for cost estimate).
$945 retail; includes source code
Kaydee Software; 701 Pinewalk Dr.; Brandon, FL 33510; 813-685-2190

MacHunter RMS 4.1
Recruitment management system
Macintosh 030 or larger; 4 MB of RAM; hard disk drive.

MacHunter RMS is a comprehensive recruitment information system developed for search firms, employment agencies and in-house employment departments that provides candidate, client and job order search and retrieval, as well as activity planning, tracking and reporting. Optical scanning of resumes, company prospectus and job descriptions all but alleviate data entry. Also provided are interactive pop-up scripts, built-in form letters and automatic telephone dialing. RMS can interface with most popular word processors for mail merge, and provides true Macintosh and IBM PC compatibility, allowing both systems to share information on one local area network.
$2,595 retail; single user
$8,995 retail; unlimited site license
Micro J Systems, Inc.; 602 Santa Monica Blvd.; Santa Monica, CA 90401; 310-458-1997 or 800-995-4868

MacSys Trainer
Personnel training tracking system
Macintosh SE or larger; 4 MB of RAM; 40 MB hard disk drive.

The MacSys Trainer is a 4th Dimension-based client/server training tracking system designed to provide monitoring and control of personnel training in both internal and external training programs. The system can be used simultaneously by both human resource and training departments. The MacSys Trainer tracks employment and training histories of personnel. It allows for monitoring of training participation by division/department, including participation rates within courses/programs. The MacSys Trainer is an invaluable tool to track individual progress over time, using indicators such as advancement and salary. The MacSys Trainer can be used to register and manage conferences, including an online registration feature. Other built-in features include travel and accommodation management, as well as mailing sorts for direct mailing. Form generation includes course entry forms, participant application forms and participation evaluation forms. This system can be integrated into many existing personnel databases, including Oracle databases, and is customizable as required.
$8,500 U.S. retail; single user (4D Server compatible)
MacSys Inc.; 362 Terry Fox Dr., Ste. 200; Kanata, Ontario, Canada K2K 2P5; 613-591-9200 or 613-591-8089 (fax)

■ **Pinnacle**
Recruiting solution
Macintosh Quadra, Power Macintosh or PowerBook; 16 MB of RAM; 230 MB hard disk drive.

Pinnacle is designed from the ground up to help recruiters make more placements in less time and is a totally self-contained recruiting solution that helps eliminate the paper from their life. Users can easily manage information about candidates, companies, job orders, call plans, etc. There are no complex codes — just plain and easy-to-understand English searches that are lightning fast. Pinnacle comes with onsite training, forms and support. As a plus, Pinnacle supports faxing, scanners, networks and more.
$2,500 retail; plus $250 per user
Solo Systems, Inc.; 3325 Landershire Ln.; Plano, TX 75023; 214-612-8425, 800-364-8425 or 214-612-1924 (fax)

ProQuiz
Pre-employment testing

ProQuiz's easy-to-administer quizzes evaluate Macintosh software skills, and include basic, intermediate and advanced levels. Quizzes for Word, Excel, MacDraw Pro, FileMaker Pro and PageMaker are available. ProQuiz is ideal for pre-employment screening and pre- and post-training evaluation.
$21 retail; QuizKit
$164.50 retail; 50 quiz-pack
ProQuiz Inc.; 76 Stafford St.; Toronto, Ontario, Canada M6J 2S1; 416-777-0806

Salary Magic V2.0
Salary negotiations/office management
Macintosh Plus or larger.

Salary Magic is a salary negotiations and office management package. The program uses a tightly integrated spreadsheet and database for calculating, recording and printing virtually any information that might be needed at the negotiation table. Salaries, fringe benefit packages, changes or completely new schedules can be generated using dollars, percentages or both. A user can define limits on experience, change any cell or add cells at will. Any change in information is automatically added and totals recalculated in the database. Schedules may be constructed using Scattergram information. The schedules can also be compared using the Comparison option. The Comparison report shows both the dollar and percentage difference of summaries. Other proposal or industry guidelines can also be generated. On the negotiation management side, the program is designed to turn any recorded data into useful records. Personnel information can be recorded and printed. Useful reports, such as RIF lists, personnel data and fringe benefits, can also be generated and printed.
$495 retail
Magic Software, Inc.; 12138 Del Verde; Yuma, AZ 85367; 602-342-7496 or 602-342-7496 (fax)

Vertical Markets/ Photography

■ **ColorCourse/Photography**
Photography reference
Macintosh IIci or larger; 8 MB of RAM; System 7.0 or later; QuickTime; 13-inch monitor; 2 MB of available hard disk space; CD-ROM drive.

ColorCourse/Photography is an interactive, multimedia tutorial and reference for photographers who want to enhance their creative and market potential through digital enhancement and delivery of images. The material covers color concepts as they apply to the monitor and reproduction process, digital sources (Photo CD, digital stock and cameras), evaluation of the image and preparation for reproduction, correct use of digital creative tools, correct scanning and output, plus an interactive/hypertext troubleshooting section.
$69.95 retail
ColorExpert, Inc.; 555 Richmond St. W, Ste. 504; Toronto, Ontario, Canada M5V 3B1; 416-360-3894 or 416-360-0204 (fax)

Full Spectrum
Photography management system
Macintosh Plus or larger; 4 MB of RAM.

Full Spectrum is a uniquely comprehensive business management system designed to meet all the needs of any studio in the photography industry. It is designed to be friendly and visually appealing, while having the power and flexibility to meet the organizational, accounting and marketing needs of a business. Full Spectrum incorporates the features of many separate programs: jobs, stock sales, client/contact tracking, accounting (invoicing, receivables, assets, payables, sales tax, vendors, etc.), word processing, scheduling, labeling, image archiving with digital image viewing, location tracking and more. The total integration of these features in Full Spectrum results in unsurpassed capabilities with an unusually friendly user interface. In addition to the Pro version, a stock-only module is available and a basic module for filing and labeling photos. All modules include digital image capabilities.
$185 retail; Profiler
$450 retail; Stock Module
$680 retail; Pro
Parhelion; PO Box 107; Cornish Flat, NH 03746; 603-675-2966 (phone/fax)

MacPhoto WorkStation
Software for wedding and portrait studios
Macintosh Plus or larger; external 800K disk drive or hard disk drive; ImageWriter.

The MacPhoto WorkStation provides a system for automating a wedding and portrait studio. It allows users to enter print orders directly from the data a client gives after reviewing the proofs of a photographed event. It will automatically keep track of how many prints are required for package specials, as well as using proofs that were not purchased. After print orders have been captured, the program will compute the number of prints required from each negative and will produce labels that can be attached to negative glassiness for submittal to a color lab. After a user has finished capturing and verifying a print order, the program will generate client billing information directly from the print orders.
$695 retail
Bit Image Software; 12119 London Grove Ct.; Moorpark, CA 93021; 805-523-3414

MacStock Express 2.0
Stock photography management systems
Macintosh Plus or larger (Macintosh Classic II or larger recommended); 4 MB of RAM (additional memory recommended); hard disk drive; Helix Express or Runtime Helix; System 7.0 or later.

MacStock Label is a slide/print labeling program. Features include: adapts to numerous filing systems; prints labels for slides and larger formats, including captions, copyright notice, credit line, etc.; job file for group photo entry has automatic number sequencing; prioritized subject file; help screens available at all times; full use with single or multiuser systems; and is compatible and upgradeable to MacStock x, MacStock x+ or MacStock Express.

MacStock x is a photo collection organization program. Features include: everything in MacStock Label; photo categorizing/searches/lists; catalogs Photo CDs with "low-resolution thumbnails"; imports image documents created in any application; records models/releases and links them to photos and labels (captions); self-customization of photo categories; creates documents from photo searches; and is compatible and upgradeable to MacStock x+ or MacStock Express.

MacStock x+ is a stock photo organization program with tracking. Features include: everything in MacStock x; delivery memos with customized terms of delivery; tracking of submissions, clients and photos; client notes and to-do lists; photo inventories; client information; address labels; organization of upcoming/ongoing photo needs/requests; client, model and photo lists of all kinds; submission statistics; automatic loading of photo search documents into delivery memos; and is compatible and upgradeable to MacStock Express.

MacStock Express is a complete stock photography management program. Features include: everything in MacStock x+; word processing, form letters, charts and invoicing; keeps records of sales and photos held; forms for production shoots, job/estimates/bids, etc.; statistics of sales, photos held, etc.; more lists and reports, including stock and other receivables, photographer/client sales, etc.; bar-code compatibility; automatic mail merge; agency reports of photographer sales during any period; and self-customization of terms and conditions, sales tax, terms of payment, etc.
$150 retail; with Runtime Helix, MacStock Label
$250 retail; with Runtime Helix, MacStock x
$450 retail; with Runtime Helix, MacStock x+
$850 retail; with Runtime Helix, MacStock Express
$100 retail; 90-day trial (applies to purchase; or money-back guarantee)
$40 retail; demo (applies to purchase)
Call for Helix Express (multiuser) and/or upgrade prices
Photo Agora; Hidden Meadow Farm; Keezletown, VA 22832; 703-269-8283 (phone/fax)

Phototrack Mac
Stock photo management
Macintosh Classic or larger; 2 MB of RAM (4 MB with System 7); System 6.0.4 or later.

Phototrack Mac is a full-featured stock photo management program. Features include: keyboard work is organized to make data entry easy; automatically updates related areas; automatically locates the next available slide number; backfilling feature finds and fills empty slide page slots; automatically creates new slide page labels when necessary; prints labels in eight different formats (five if printing to a laser printer); keeps track of which labels have been newly added or modified so they can be quickly printed without a user having to search for them; two search routines; instantly add slides found in a Search to a Submittal; print Submittals; log Submittals back in individually or for a complete submission; keep information on any number of clients, with any number of contacts for each client; sort clients by name, client code, area code and/or Zip code and use this information for special mailings or setting appointments; create invoices based on items in a Submittal or Special items; include any combination of Submittal items and Special items in any invoice; keep track of accounts receivable; reporting; and more.
$345 retail
Phototrack Software; 6392 S. Yellowstone Way; Aurora, CO 80016; 303-690-6664 or 303-693-4750 (fax)

S.T.A.R.
Portfolio tracking; contact management
Macintosh Plus or larger; 2 MB of RAM (4 MB with System 7); hard disk drive; System 6.0.5 or later.

S.T.A.R. (Simplified Technology for Artist Representation) is an organizational tool that enables artists, photographers or artist representatives to track portfolio activity, build a client base and manage follow-up contact. S.T.A.R. Manager module logs portfolio activity and client responses. It records the date, reminds users to enter submitted artwork for review, enter contact notes and schedule future client calls; logs-out portfolio and contents when sent to a client, locates client's address in the S.T.A.R. Directory and

These Products Available Through Bottom Line Distribution
1-800-347-1923

prints a label; and locates specific portfolios and generates time-interval activity reports to evaluate client responses. With S.T.A.R. Directory, users develop/update a client database by indexing client information. It dates entry of client data; locates city and state with Zip code entry; is preformatted for letters, labels, organizer pages, etc.; and provides sort/select capability on all data fields. An optional bar-code reader simplifies data entry.
$349 retail; Manager & Directory
$699 retail; with bar-code reader
S.T.A.R., Ltd.; 440 W. 24th St., Ste. 14-B; New York, NY 10011; 212-633-1445 or 212-633-1793 (fax)

StockView
Stock photography captioning and management
Macintosh Plus or larger; Panorama II or Panorama Direct.

StockView provides a complete cataloguing and captioning system for photography files. It maintains and updates extensive information and cross references about photos, their subject matter, format, where they are, when they're due back and how they have been used. File sizes are limited only by available disk space. StockView provides on-screen displays of one or several sizes of caption labels, displaying how the caption will fit the label as it's written. Labels are selected by clicking a button that resembles the appropriate label. Numerous labels, suitable for any Macintosh-compatible printer, are provided that can be altered slightly or completely overhauled. Several user-defined defaults, numbering systems and search modes are provided. StockView includes optional use of code 39 bar code, and digitized image storage optionally links to InView or InContact. All printed reports are fully customizable by a user. StockView is fully Photo CD compatible.
$300 retail
$595 retail; with Panorama
$395 retail; with Panorama Direct
$200 retail; purchased with InView
HindSight; PO Box 4242; Highlands Ranch, CO 80126; 303-791-3770 (phone/fax)

SuperLabel Mac
Photographic image organization
Macintosh Classic or larger; 2 MB of RAM (4 MB with System 7); System 6.0.4 or later.

SuperLabel is an organizational program for cataloging and filing collections of photographic images. Each picture is assigned a subject code and a filing location. Title information is then entered into a database through which searches can be run. Four different size title labels and/or copyright labels and a page file label can be printed. Up-to-date subject lists are also maintained. SuperLabel supports the ImageWriter II, LaserWriter, StyleWriter or any true 100 percent-compatible type printer.
$99.95 retail
Phototrack Software; 6392 S. Yellowstone Way; Aurora, CO 80016; 303-690-6664 or 303-693-4750 (fax)

Vertical Markets/Publishing

Ad Maker
Classified ad production
Macintosh Plus or larger; Aldus PageMaker 5.0.

Ad Maker is an integrated solution for classified ad production. It combines the power of a 4th Dimension database and Aldus PageMaker to streamline classified ad production. Ad Maker gives ad producers greater control over the entire production process. Operators enter ads into the database, exactly as they are to be printed. The cost is then calculated and a rate card produced by Ad Maker's database, which takes into account special formats like line screening, bold face, capitals, graphics or logos.
$1,995 retail
Integrated Software, Inc.; 475 Park Ave. S; New York, NY 10016; 212-545-0110 or 212-545-0198 (fax)

Ad Management Database
Client-server SQL database to manage display advertising information and display ads for pagination
Macintosh II or larger client; Sun Sparcstation Server.

The Ad Management Database manages the flow of information for newspaper advertising, from ad order entry through production and composition to pagination. The Ad Management Database implements Sybase SQL Server technology and uses Macintosh computers with DT's AdSpeed as database clients. Display ads can be ordered, tracked and produced, while the Ad Management Database keeps track of the data flow, record locking, run date and scheduling information, category, status, priority, sales rep, color information, ad size, pagination information and file structure of each display ad.
$5,000 and up retail; based on circulation and terminals
Digital Technology International; 500 West 1200 South; Orem, UT 84058; 801-226-2984 or 801-226-8438 (fax)

AdForce 1.5
Automated ad dummying system
Macintosh Classic or larger (Quadra family recommended); hard disk drive; LaserWriter; System 7.0 or later.

AdForce provides a quick and easy ad dummying process for small newspapers and magazines. Users can import ad lists from any business system or enter ads directly into the application. AdForce can also accept direct imports with file paths from Baseview's Display Manager and Multi-Ad Service's CAMS ad entry systems. AdForce will stack ads in a flash, then print layouts and runsheets or use the QuarkXTension or PageMaker Addition to instantly create ad dummies in a layout document. Training is not required. Data entry information includes: names, depth, width, colors, section, coupons, request pages and sections, on page, on section, zones, products, markets, ad numbers, file names, notes, comments, pick-up dates and customer names. Custom fields are available from the developer.
$1,995 retail
Managing Editor Software, Inc.; 101 Greenwood Ave., Ste. 550; Jenkintown, PA 19046; 215-886-5662 or 215-886-5681 (fax)

AdNet II
Display ad tracking system
Macintosh II family; 4 MB of RAM.

AdNet II is a database system that tracks cost figures, bills and exports display ad information. Users can easily track accounts and ads. Billing can be exported to Advertising Accounts Receivable. Ads can be exported to the Page Dummy system. There is no limitation to the number of rates, publications or page requests. The system easily handles cost figure combinations. Numerous sales and system reports are available. A custom report generator is also provided.
Call for pricing
Concept Publishing Systems; 809 Park Ave.; Beaver Dam, WI 53916; 414-887-3731 or 414-887-0439 (fax)

AdSpeed 3.1
Display ad composition software with database integration
Macintosh II or larger.

AdSpeed quickly produces simple and complex display ads, including four-color process and spot color separation with ink trapping, line art and halftones and other graphics, blended tints, special effect and curved type headlines, automated repetitive formats and rotation, colorization and intelligent group duplication and modification. AdSpeed includes a powerful text editing environment with a spelling dictionary and thesaurus. Text editing features include programmable function keys, command key equivalents for menu and toolbox functions and tag characters for imbedded type commands. Text handling and layout features include snap-to, snap-to-fit, item and group attributes and automatic alignment tools.
$1,495 retail
Digital Technology International; 500 West 1200 South; Orem, UT 84058; 801-226-2984 or 801-226-8438 (fax)

Advertising Accounts Receivable
Accounts Receivable for ad systems
Macintosh II family.

Advertising Accounts Receivable is an Accounts Receivable package for display ad and line classified systems. It features aging, balance forward billing, commissions, General Ledger codes, multiple transactions and multiple reports.
Call for pricing
Concept Publishing Systems; 809 Park Ave.; Beaver Dam, WI 53916; 414-887-3731 or 414-887-0439 (fax)

AdWorks/2
Ad composition and page makeup
Macintosh SE or II, including Portable; 4 to 8 MB of RAM; 30 MB hard disk drive; two-page large format monitor.

AdWorks/2 is ad creation/production software that includes full general publishing capabilities, essential to creative services and ad production departments. It offers comprehensive text editing, formatting, graphics manipulation and composition features, yet maintains a simple user interface. AdWorks/2 interfaces to Triple-I's composing room Ad Makeup System (AMS), including Triple-I's ad workflow management tools, or provides final ad production for small- and mid-size newspapers. It contains a full complement of professional publishing tools to electronically access, align, scale, condense, expand, manipulate and assemble graphics, halftones and text objects required for composing camera-ready, black and white and four-color display advertisements, in-house ads, brochures and flyers. Features include: multiple formatting functions, global spell checker, point sizes from 4 to 900, full leading control, hyphenation dictionary, automatic paragraphs and indents, custom grids/rulers, capability to embed/create commands for exporting text into AdWorks/2 and the capability to accept EPS, TIFF, PICT or PICT2 graphics.
$4,995 retail
Information International Inc.; 100 N. Winchester Blvd., Ste. 200; Santa Clara, CA 95050; 408-248-5055 or 408-248-0846 (fax)

Bookland Xpress
Creates bar codes
Macintosh Plus or larger; 2 MB of RAM; QuarkXPress 3.0 or later; System 6.0.5 or later.

Bookland Xpress allows users to create "hands free" bar codes that are guaranteed to meet Bookland EAN standards and UPC Price Point standards. This program interacts with a user's database to create bar codes, EPS files (electronic bar codes) and book jacket designs.
Call for pricing
Bar Code Systems, Inc.; 7000 Central Pkwy., Ste. 1210; Atlanta, GA 30328; 404-399-5921, 800-883-8300 or 404-399-7837 (fax)

CAMS
Classified advertising management system
Macintosh IIci, IIvx or larger; 8 MB of RAM; System 7.1 or later.

CAMS is a comprehensive yet flexible classified advertising management system that incorporates accounting, billing, reporting and design features into one program. CAMS conveniently allows users to enter and find ads and customers, price and schedule ads, run credit checks, set billing cycles and enter payments from one main window. Customizable invoices and reports can be printed from within CAMS as well. Operating in a fully WYSIWYG environment, CAMS features a visual dingbat window and hyphenation and spell-checking menus to facilitate ad generation. Complete online help is also available in every window.
$2,000 retail; first copy
$1,500 retail; additional copies
Multi-Ad Services, Inc.; 1720 W. Detweiller Dr.; Peoria, IL 61615; 309-692-1530, 800-447-1950 or 309-692-5444 (fax)

Catalog Maker
Quark XTension that allows users to complete catalogs quickly by updating prices, pictures and body copy in page layouts
Macintosh Plus or larger; QuarkXPress.

Catalog Maker provides flexibility by creating electronic links between a user's QuarkXPress page and external image, text and data files. It is ideal for users who track large numbers of prices and images, or have documents that undergo many revisions or last-minute changes. Users can create a custom catalog with short notice, produce different regional catalogs and update prices at the last moment. Catalog Maker is a powerful production tool that gives users a competitive advantage.

$2,495 retail
Integrated Software, Inc.; 475 Park Ave. S; New York, NY 10016; 212-545-0110 or 212-545-0198 (fax)

CatBase
Catalog and directory publishing database
Macintosh SE or larger; 2 MB of RAM; hard disk drive; System 6.0.3 or later.

CatBase is a database publishing application designed for publishing catalogs, directories and similar types of data. It provides a complete database management system in which a user specifies how the publication will be formatted. Any number of different formats can be produced. At publication time, the data is transferred from the database to a template designed in a page-layout program (QuarkXPress, PageMaker and Microsoft Word are supported), where the text is automatically formatted in the specified fonts, styles, sizes, colors, etc. Automatic drawing and filling of anchored picture boxes is available with QuarkXPress. In addition to data from the database, other items, such as user-specified text, punctuation, formulas and calculations, can be included in the publication. A fully functional demo is available.
£895 retail; single user
£2,195 retail; three workstations
£2,995 retail; six workstations
BBF Publishing; 50 The Maltings; Stanstead Abbotts, Herts., England SG12 8HG; 0920-871866 or 0920-877917 (fax)

Class & More
Classified ad management system for newspapers
Macintosh Plus or larger; hard disk drive.

Class & More is a classified ad management system. It allows for sorting classifieds and simplifies the billing procedure. To combine simplicity and ease of use, Class & More contains features that are not necessarily concerned with classified advertising. Publishers struggling to convert to the Zip + 4 that the Post Office demands will find the Mailing List very handy and easy to use. If users have a Cheshire or similar addressing machine available, the Mailing List will produce what they need, and will do renewal notices as well. Class & More includes a manifest or run sheet that will constantly calculate the number of inches and the dollar value of the next paper. And, when the paper is put to bed, this information can be transferred into the Accounts Receivable file for billing, without having to rekey each entry. The Accounts Receivable file produces professional-looking bills on a LaserWriter printer. Also featured is a spreadsheet that will give users a month-by-month profit and loss statement that breaks out each category of income and expense, and can graphically compare one with another to distinguish strong areas from areas that need work. There's also a handy file called Addition that will effortlessly add up long columns of figures.
$495 retail
Nick Murray; PO Box 278; Hammond, LA 70404; 504-345-2332

Classified Ad Database
Client-server SQL database to manage classified advertising information
Macintosh II or larger clients; Sun Sparcstation Server.

The Classified Ad Database manages the flow of information for newspaper classified ad pages, from ad entry by telephone sales or walk-ins, and full-page pagination, including display ads. The Classified Ad Database implements Sybase SQL database server technology on the complete line of Sun computers and uses Macintosh computers with DT's ClassSpeed and ClassSpeed Pagination software as database clients. All classified ads can be ordered, tracked, scheduled and edited, while the Classified Ad Database keeps track of the data flow, record locking, run date and scheduling information, classifications and codes, status, priority, ad taker, ad information, ad length, billing information, pagination information and file structure of each classified ad.
$5,000 and up retail; based on circulation and terminals
Digital Technology International; 500 West 1200 South; Orem, UT 84058; 801-226-2984 or 801-226-8438 (fax)

ClassSpeed 3.1 With ClassSpeed Pagination
Classified ad sales, telemarketing and scheduling classified ads for full-page pagination
Macintosh II or larger.

ClassSpeed helps newspaper classified ad sales representatives control classified ad information, from ad entry by telephone sales or walk-ins through full-page pagination, including display ads. ClassSpeed is fully integrated with the Classified Ad Database for generating issue, classification, pagination and lineage reports, and includes a custom report generator. All classified ads can be ordered, tracked, scheduled and edited, while the Classified Ad Database keeps track of all ad information. ClassSpeed Pagination flows line ads on the page with column and ad rule separations and headings, if desired. Display ads are also placed by classification with the line ads by classification, pre-sold preferred position or by space availability.
$2,495 and up retail
Digital Technology International; 500 West 1200 South; Orem, UT 84058; 801-226-2984 or 801-226-8438 (fax)

ClassWorks
Line classified system
Macintosh II family; 4 MB of RAM.

ClassWorks is a database system that tracks cost figures, bills and typesets line classified and display classified ads. Users can export account and billing information to the Advertising Accounts Receivable system. There is no limitation to the number of rates, publications or classifications. The system easily handles cost figure combinations. Numerous sales and system reports are available. A custom report generator is also provided.
Call for pricing
Concept Publishing Systems; 809 Park Ave.; Beaver Dam, WI 53916; 414-887-3731 or 414-887-0439 (fax)

Concept Page Finisher
Page composition and makeup
Macintosh IIfx; 8 MB of RAM; 40 MB hard disk drive; 19-inch, two-page color monitor; System 7.0 or later.

Concept Page Finisher is a page makeup system designed for the creation and assembly of camera-ready newspaper pages. An operator can use the system to electronically design, position and compose all the elements that make up a newspaper type page. Concept Page Finisher provides professional publishing features to help in the creation of a newspaper page. These features consist of: standard user interface; object tools; text composition controls; hyphenation and justification; multiple page layout; jump story support; import ASCII text and CopyWorks styled files; import files from AdWorks/2; recover feature; undo feature; import TIFF, PICT, EPSF graphics; cropping of imported graphics; cut, copy and paste between or within pages; export to Triple-I AMS/2 and 3810 laser recorders; print to PostScript output devices; spell checking; search and replace for text strings and text styles; text editing in WYSIWYG mode; WYSIWYG display; dialog boxes for every element; System 7 Subscribe and Publish support; and text column linking.
$15,000 retail
Information International Inc.; 100 N. Winchester Blvd., Ste. 200; Santa Clara, CA 95050; 408-248-5055 or 408-248-0846 (fax)

Control Display Ad Billing
Display advertising management, billing and accounting
Macintosh Plus or larger; hard disk drive.

Control Display Ad Billing handles the management and billing of a publication's display advertising. Ad management features include: one screen entry; ad scheduling, size, location, rate; and ad orders automatically generate invoices for both contract or standard ads. Publication features include: any publication schedule; unlimited publications; and ad manifests, ad volume and revenue by publication or edition. Other features include: customer management (rates can reflect customer order volume); sales rep tracking; Control handles any rate, volume discount or billing period; 38 different predefined management reports, or user-defined reports; user-defined procedures automatically handle billing and reporting; and invoices and statements print on blank or preprinted forms on any system laser printer or any dot matrix printer.
$1,995 and up retail; price includes 30 days of toll-free support
SkySail Software; PO Box 2403; Chapel Hill, NC 27515; 800-287-0155 or 919-932-9302 (fax)

CopyWorks
Editorial system
Macintosh SE or larger.

CopyWorks is a word processing system designed specifically for the news reporter. It features spell check, search and replace, and professional hyphenation and justification controls. Text can be exported to the AdWorks/2 page layout system. Users can import ASCII text and wire as needed. Header information can be imported or created inside CopyWorks.
Call for pricing
Concept Publishing Systems; 809 Park Ave.; Beaver Dam, WI 53916; 414-887-3731 or 414-887-0439 (fax)

Crossword Publisher
Creates crossword puzzles with ease
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later.

Crossword Publisher enables constructors to produce professional puzzles. Crossword Publisher's Puzzle Editor supports entry of clues and grids (three to 25 squares on a side), including renumbering clues as black squares change. Optionally, the Puzzle Editor adds and deletes black squares, guaranteeing a symmetric puzzle at all times. The Rules Checker finds frequent construction errors like using an answer in a clue, reusing answers, asymmetric grids, unacceptable words and using too many black squares or too few answers. Crossword Publisher contains a 200,000-word lexicon. Features include: a Word Lister that generates words for a spot; a Corner Filler that generates ways to fill arbitrary grids with interlocking words; Tight-Spot Finder that identifies hard-to-fill spots; and can export Encapsulated Postscript files which can be imported into PageMaker or QuarkXpress for precision layout.
$495 retail
Sheppard Co.; 60 Thoreau St., #187; Concord, MA 01742; 508-287-0055

Design Station
Professional ad design environment for QuarkXPress
Macintosh Plus or larger; QuarkXPress.

Design Station consists of Quark XTensions that speed up design layout and ad make-up work. All Design Station XTensions work with QuarkXPress 3.1 and are fully compatible with System 7. These capabilities help create an efficient environment for designing, modifying and completing professional ads and page layouts, and are particularly useful for newspapers and magazines.
$995 retail
Integrated Software, Inc.; 475 Park Ave. S; New York, NY 10016; 212-545-0110 or 212-545-0198 (fax)

Editorial Database
Client-server SQL database to manage copy flow for writing, editing and pagination
Macintosh Classic or larger clients; Sun Spacstation Server.

The Editorial Database manages the flow of information for newspaper editorial departments, from incoming wire copy and reporter stories through production and composition to pagination. The Editorial Database implements Sybase SQL database server technology on the complete line of Sun computers and uses Macintosh computers with DT's SpeedWriter, WireSpeed, PageSpeed and SpeedPlanner as database clients. Stories can be ordered, tracked, written and edited, while the Editorial Database keeps track of the data flow, record locking, run date and scheduling information, category, status, priority, reporter, story information, story length, pagination information and file structure of each news story.
$5,000 and up retail; based on number of terminals
Digital Technology International; 500 West 1200 South; Orem, UT 84058; 801-226-2984 or 801-226-8438 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

EzAd Classified
Classified advertising management and accounting
Macintosh Plus or larger; hard disk drive.

EzAd Classified is a complete classified advertising management and accounting package. Features include: order entry done entirely on one simple screen; designate schedule, rate, class and style with a click of the mouse; ads priced automatically according to a user's rates (up to 32,000 different rates); automatic production — ads for an edition are automatically selected, sorted, formatted and billed; Microsoft Word, QuarkXPress, DesignStudio, PageMaker or JustText file format; up to 32,000 different styles; display classifieds in single or multicolumns; up to 32,000 categories, individually sorted; complete accounts receivable package; invoices and statements created and printed automatically; automatic aging; postcard output available; 27 preformatted management reports; user-definable reports; form letter generator; label generator; and more.
$895 and up retail; price depends on configuration (includes 30 days of toll-free support)
SkySail Software; PO Box 2403; Chapel Hill, NC 27515; 800-287-0155 or 919-932-9302 (fax)

Franklin Estimator For Macintosh
Estimating system for printers
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.

Franklin Estimator for Macintosh is a stand-alone estimating system for commercial and quick printers. It incorporates the dependable Franklin rates and the Macintosh's power, sophistication and ease of use, allowing users to competitively price complex printing jobs with confidence, speed and accuracy. The installed Franklin rates are ready to use. An estimate can be produced, saved and printed as soon as the software is installed. The Franklin rates are national selling rates. The veteran estimator can easily adjust these rates to the local market, or even install their own "shop" or in-plant rates. Additional, miscellaneous and outside charges can be added to the estimate to produce a complete itemized estimate, as well as a quote to present to a customer and a job ticket to send to the shop. The Franklin Estimator for Macintosh will handle estimates requiring multiple quantities, numerous ink configurations with up to eight inks per side, booklets and bindery. The estimate and customer information can be exported to various accounting and electronic spreadsheet programs that allow importing of data. Franklin Estimator is System 7 compatible.
$695 retail
Franklin Estimating Systems; PO Box 16690; Salt Lake City, UT 84116; 800-346-7363 or 801-322-5822 (fax)

■ **Freedom Series Edit**
Text editor
Macintosh II or larger; 8 MB of RAM; System 7.0 or later.

Freedom Series Edit is a text editor that addresses the specific needs of reporters and writers. It works directly with the Freedom Series Pagination Program to enhance the productivity of content — or design — driven newspapers. The program provides support for embedded notes, an H&J option for viewing QuarkXPress line-endings, QuarkXPress style sheet compatibility, an automatic save feature to safeguard files, selected text copyfit and support for multiple file elements, including headlines, bylines, captions and subheads. Additional features include a spell checker, bounding tools to bracket selected text and continual word and line count. The program includes the Freedom Series Sentinel application to save and retrieve data from a relational database. The send and open commands move or retrieve editor documents from work areas on the database. Stories can be previewed without opening. Story information can be user defined and stored with the story in the work area.
$395 retail
Freedom System Integrators Inc.; 405 S. Holland; Wichita, KS 67209; 316-722-8100 or 316-722-8708 (fax)

■ **HyperManuscript**
Multimedia publishing and study
Macintosh with 68030 processor or larger; 2 MB of RAM; hard disk drive.

HyperManuscript offers all the features required to publish, research and author original work on disk with the power of interactive computer technology. Users get instant access to any part of the text and can create an unlimited number of annotations, context listings, glossary entries, research notes and projects, each with independently associated bookmarks. Users can also display external documents, show films, add sound recordings, view full-color images and import and export text. The program is unique in simplicity, power and productivity, and is supported by a host of tools and features. The BookBuilder Toolkit provides users with full authoring capabilities and features for controlling every aspect of the book presentation and structure, from adjusting the pagination and chapter titles, to importing additional pages and replacing old material. If copyright is an issue, the original work can be protected against unauthorized alteration without sacrificing any of the features and benefits available.
$50 retail; Application
$15 retail; Book
$75 retail; Toolkit
The Flexible Learning Co.; 15 Longpoles Rd.; Cranleigh, Surrey, England GU6 7JZ; (0) 483-277020

ImageSpeed Graphics Database
Image management
Macintosh II or larger; QuickTime extension.

Most image management programs address only one of the three areas DT viewed as critical in pre-press production applications: presentation of cataloged images for ease of use in production and composing functions; control of large files for storage and archival purposes; and management of low- and high-resolution images used for OPI substitution during raster image processing and imaging documents containing images from the database. DT designed ImageSpeed and the Graphics Database to address these three critical functions: ImageSpeed client software is used for the presentation of cataloged images for ease of use in production and composing functions; SQL-Server from Sybase Inc. and Spectre-Logic's Alexandria software are responsible for controlling large image files for short-term database storage and long-term online and offline archiving; and Sybase and DT's SpeedDriver program manage low- and high-resolution images used for OPI style substitution at the PostScript RIP.
$795 retail
Digital Technology International; 500 West 1200 South; Orem, UT 84058; 801-226-2984 or 801-226-8438 (fax)

InHouse Subscription Manager
Subscription fulfillment and circulation management
Macintosh II; 4 MB Of RAM; 40 MB hard disk drive.

InHouse Subscription Manager offers comprehensive, yet user-friendly circulation management software for magazine and newsletter publishers. It provides sophisticated subscriber, order and transaction tracking, plus: supports all publication frequencies; fast and accurate data entry; powerful duplication checking; U.S., Canadian and foreign addresses; complete subscription and payment history; gift subscriptions and premium processing; 1st, 2nd and 3rd class postal presorting; fast label, renewal and invoice printing; circulation and financial reporting; order source and mailing evaluation; and sophisticated mail-merge printing. Sapphire Systems supports its customers with free technical support and an unconditional 90-day money-back guarantee.
$1,995 starting price retail; 10,000 subscribers
$500 retail; each additional 10,000 subscribers
$35 retail; full-featured demo, tutorial and sample report package
Sapphire Systems; 9944 Cavell Ave. S; Minneapolis, MN 55438; 612-944-0212 or 612-944-0699 (fax)

JobTracker
Production scheduling system
Macintosh Plus or larger; 2 MB of RAM.

JobTracker is a production scheduling system for publishers. It is designed to help track all jobs as they proceed through the publishing process. The system allows users to define the production steps they wish to track. Reports include a status report of all active jobs showing actual and estimated dates of completion for each step, to-do lists by day or week and a list of completed jobs. Companies are currently using JobTracker to track production of books, periodicals, directories, promotional materials and general publication production.
$495 retail
$2,495 starting price retail; multiuser
InfoSolutions, Inc.; 147A Silverdale Rd.; Julian, PA 16844; 814-355-2983, 800-562-8722 or 814-355-7070 (fax)

MacCaw
High- and low-speed wire system
Macintosh SE or larger.

MacCaw automatically sorts wire stories into user-definable directories. Header information is included with every story. Text can be easily viewed and manipulated in CopyWorks and AdWorks/2.
Call for pricing
Concept Publishing Systems; 809 Park Ave.; Beaver Dam, WI 53916; 414-887-3731 or 414-887-0439 (fax)

MacSub
Database application that integrates subscription fulfillment, circulation management, magazine demographic profiles, book and product fulfillment, reader service, list rental and circulation audits
Macintosh Quadra 610 or larger; 8 MB of RAM; hard disk drive; tape backup; heavy-duty printers.

MacSub is a powerful marketing database for publishers of periodical magazines and newsletters. It maintains up to 600,000 customers across an unlimited number of publications and products. It records and analyzes all subscriptions, purchases and transactions. It produces mailing labels, renewal notices and invoices — a complete reporting package.
Call for pricing
Brauch Publishing Systems Inc.; 550 Alden Rd., Ste. 105; Markham, Ontario, Canada L3R 6A8; 905-470-8550 or 905-470-8561 (fax)

MacSys Pricedex Pro
Part/price list database system
Server requires Macintosh SE/30 or larger; 8 MB of RAM; 80 MB hard disk drive. Client requires Macintosh SE or larger; 4 MB of RAM; 40 MB hard disk drive.

The MacSys Pricedex Pro is a 4th Dimension-based client/server part list database and catalog/price list generation system best suited for firms with large numbers of part/product listings. This system is designed to maintain detailed listings of parts and products, as well as to assign relationships between the two. Data entry can include any number of part/product descriptions and pricing. The key feature to this system is the user-configured output. The "catalogs" generated include such features as two-sided printing and variable fonts and formats within each part/product listing. Catalogs can be easily designed for specific clients requiring different part/product listings, pricing tiers and languages. A 600-page catalog can be printed in less than four hours using a standard laser printer. The MacSys Pricedex Pro is customizable as required.
$50,000 U.S. retail; 10 users
$500 U.S. retail; each additional user
MacSys Inc.; 362 Terry Fox Dr., Ste. 200; Kanata, Ontario, Canada K2K 2P5; 613-591-9200 or 613-591-8089 (fax)

Mercury Subscription Management
Subscription management
Macintosh Plus or larger; hard disk drive.

Mercury Subscription Management handles subscription management for most small publications. Features include: handles mailed and hand-delivered subscriptions; one screen data entry; prints mailing labels, including Cheshire-type labels, on any serial printer (even 4-up Cheshire); sorts and prints lists for 1st class, 2nd class, 3rd class and carrier routes; and prints delivery reports, form letters, renewal notices, postcards, etc. Mercury Subscription Management handles up to eight separate, user-defined customer categories.
$895 and up retail; price includes 30 days of toll-free support
SkySail Software; PO Box 2403; Chapel Hill, NC 27515; 800-287-0155 or 919-932-9302 (fax)

Multi-Ad Creator 3.6
Display ad layout
Macintosh Classic or larger; 4 MB of RAM; System 6.0.3 or later; PostScript printer.

The latest version of Multi-Ad Creator enhances its display advertisement design and production capabilities with improved color, masking capability and printing support. Creator now provides improved EPS spot color support, a default colors list, as well as the addition of NAA-Colors support. Masking is improved with the inclusion of status and report features and a bitmap mask option. The most current version now features an even smoother interface between Creator and Multi-Ad Search. Creator offers additional graphic compatibility with JPEG and GIF images. Other features include rotation and editing of graphics and text, style models for repeated text formatting, copyfitting, kerning, multiple special text effects, 76 built-in PICT borders, advanced drawing capabilities, gradient fills and a custom font menu. Creator also supports OPI (Open PrePress Interface), Claris XTND system and PPD printing files.
$995 retail
Multi-Ad Services, Inc.; 1720 W. Detweiller Dr.; Peoria, IL 61615; 309-692-1530, 800-447-1950 or 309-692-5444 (fax)

Mycro-Comp Freedom Series
Front-end system solution
Macintosh II or larger.

The Mycro-Comp Freedom Series is an open architecture system providing editorial, imaging, classified, page dummying and wire applications. Superior implementation of WYSIWYG and GUI (graphical user interface) software, integrated pagination and full color support throughout the system are primary advantages of this state-of-the-art technology. Macintosh computers can be used as input workstations or database servers. The Freedom Series Wire module provides local storage for backup recovery of wire files, customization by users via tables and wire notification criteria per wire based on key words and categories. The Freedom Series ROP Ad Layout program dummies ads according to priority, size and color, and plans a variety of layouts, such as pyramids stacked to the right, left, inside or outside of pages. Freedom Series Pagination improves the speed of layout and design for editorial and classified sections. Both programs are XTensions to QuarkXPress. Freedom Series Edit and Freedom Series Classified complete the total system solution.
Call for pricing
Freedom System Integrators Inc.; 405 S. Holland; Wichita, KS 67209; 316-722-8100 or 316-722-8708 (fax)

Mycro-Comp Freedom Series Classified
Advertising program designed to handle the needs of newspapers
Macintosh II or larger (68040 processor recommended; 8 MB of RAM.

Mycro-Comp Freedom Series Classified is a comprehensive advertising program designed to handle the needs of newspapers. The program supports multiple calendars, publications, major headers and minor headers and boasts a WYSIWYG text editor. Automatic ad pricing based on a variety of rate tables and options make promotional rates and rate changes easy to implement. The program's extensive search capabilities, based on a form field or combination of fields, simplifies retrieving ads from the Freedom Series relational database. Other key features are: security measures to define access to fields and functions, an automated TF utility program, billing capabilities and a display ad data entry form. Sorted galleys are output with QuarkXPress or, by using Mycro-Comp Freedom Series Classified Layout and Pagination, the galleys can be fully paginated front-to-back or back-to-front.
$1,695 retail
Freedom System Integrators Inc.; 405 S. Holland; Wichita, KS 67209; 316-722-8100 or 316-722-8708 (fax)

Mycro-Comp Freedom Series Classified Layout And Pagination
Builds classified advertising pages
Macintosh II or larger; 12 MB of RAM; color display; QuarkXPress 3.2 or later.

Utilizing QuarkXPress along with the Freedom Series relational database, Mycro-Comp Freedom Series Classified Layout and Pagination positions classified display ads, including color ads, on the page within their proper classification categories. The layout of classified advertising display ads includes the automatic insertion of headers above the ads. The sorted galleys are imported and can be paginated front-to-back or back-to-front. Optional automatic repeat of either major or minor headers across the columns means pages are completed rapidly without time-consuming user intervention. Classified lineage can be easily justified and squared off to fit the page and allow other material to share either the front or back page. An update item feature imports low-resolution display ad images onto the page for final output.
$4,895 retail
Freedom System Integrators Inc.; 405 S. Holland; Wichita, KS 67209; 316-722-8100 or 316-722-8708 (fax)

Mycro-Comp Freedom Series Editorial Pagination
Simplifies the building of complete news pages
Macintosh II or larger; 12 MB of RAM; QuarkXPress 3.2 or later.

Mycro-Comp Freedom Series Editorial Pagination, an XTension to QuarkXPress, simplifies building complete news pages. The program tracks and formats jumped stories to maintain design integrity and to ensure that all jump text is placed in the publication. Total integration with the Freedom Series relational database means the Freedom Series Editorial Pagination program can determine if stories have been altered after import and automatically update them with the latest version. Other key features include "feather" to make stories fit the space allocated to them by adding leading between user-selected lines, paragraphs or both; the ability to square off and align text containers automatically; and automatically import ads. The program includes the full-featured search capabilities of the Mycro-Comp Freedom Series Sentinel application for retrieving the correct story quickly from any work queue on the database, including raw wire copy.
$1,550 retail
Freedom System Integrators Inc.; 405 S. Holland; Wichita, KS 67209; 316-722-8100 or 316-722-8708 (fax)

Mycro-Comp Freedom Series ROP Ad Layout
Creates electronic page dummies
Macintosh II or larger; 12 MB of RAM; color display; QuarkXPress 3.2 or later.

The Mycro-Comp Freedom Series ROP Ad layout program creates electronic page dummies for use by Mycro-Comp Freedom Series Editorial Pagination or QuarkXPress. Space for the ads is reserved as defined by style specifications for each page. The program dummies ads based on color, priority, size and other information and plans a variety of layouts, such as: pyramid inside, pyramid outside, pyramid all ads to the right side of the page, pyramid all ads to the left side of the page. Additionally, a stack option allows the ads to be placed from the bottom or tops of the page in either a horizontal or vertical fashion. The operator can designate that each ad is bordered by news on the top, side or top and inside. Ad news ratio is assigned per section or page.
$4,895 retail
Freedom System Integrators Inc.; 405 S. Holland; Wichita, KS 67209; 316-722-8100 or 316-722-8708 (fax)

Mycro-Comp Page 3.1
XTension to QuarkXPress to improve layout and design speed for editorial pages and classified sections
Macintosh II; 8 MB of RAM; QuarkXPress 3.2 or later.

Mycro-Comp Page, an XTension to QuarkXPress, improves the speed of layout and design for editorial pages and classified sections. Menu selections provide users with the capability to automatically insert formatted jump text while maintaining a list of unresolved jumps; merge page contents from one document into another; autoscale graphics containers to fit the graphic; and feather text for baseline alignment. Front-to-back or back-to-front classified pagination prevents ads from breaking between columns. Auto-headers are automatically inserted at the tops of columns. Pagination copy originates from Mac-based word processing programs or the Mycro-Comp front-end system. The program is also available in editorial or classified versions. The program can use page dummy layouts created by Mycro-Comp Freedom Series ROP Ad Layout.
$3,700 retail; both Editorial and Classified Versions
$1,550 retail; Editorial Version
$2,570 retail; Classified Version
Freedom System Integrators Inc.; 405 S. Holland; Wichita, KS 67209; 316-722-8100 or 316-722-8708 (fax)

Page Director Ad Layout System 1.5
Automated advertising dummying program
Macintosh Classic or larger (Macintosh Quadra family recommended); 1 MB of RAM (2 MB recommended); hard disk drive; System 7.0 or later; LaserWriter.

Part of the Page Director Series, ALS is an automated advertising dummying program capable of taking in multiple, differentiated inputs, assembling — at high speed — advertising dummies based on a rich set of user-definable rules and providing as outputs standard advertising reports; clear, annotated hard-copy advertising dummies at differing resolutions; and a standard file capable of being read directly by Page Director Editorial Layout System and/or QuarkXPress.

ALS with Forms Manager controls the insertion and/or stacking of printing signatures and folios for magazines and newspapers. It also has a cost control and deadline alert function warning users that it is time to move the signature.
$6,995 retail; Page Director Ad Layout System
$8,995 retail; Page Director Ad Layout System with Forms Manager
Managing Editor Software, Inc.; 101 Greenwood Ave., Ste. 550; Jenkintown, PA 19046; 215-886-5662 or 215-886-5681 (fax)

Page Director Classified Layout System 1.6
Classified element pagination
Macintosh Classic or larger; 2 MB of RAM (4 MB recommended).

Page Director's publications management features have been augmented to include a classified element pagination engine that can import, gather, measure, sort, flow, square and justify classified line ads, as well as inline displays in a publication. With full support of front-to-back and back-to-front flow, Page Director can paginate a full classified section in seconds, automatically flowing the liners around display ads with the option of inserting filler ads where necessary. Once the pages are completed, any position changes to the flowed ads can be made and the pages can be squared to meet editorial or filler ad leveling requirements. Finally, using Page Director's XTension for QuarkXPress, the classified pages can be automatically built as an issue, page range or individual pages in XPress for output.
$4,995 retail; starting price
Managing Editor Software, Inc.; 101 Greenwood Ave., Ste. 550; Jenkintown, PA 19046; 215-886-5662 or 215-886-5681 (fax)

Page Director Editorial Layout System 1.6
Publications management
Macintosh Classic or larger; 2 MB of RAM (4 MB recommended).

Page Director is a comprehensive publications management system that gathers, measures, assembles and tracks all publication elements and pages from assignment to composition. Users have full control of copy style, graphics, ads, heads, cutlines, jumps, credits, folios and user-defined elements, including the capability to apply text, graphics styles, colors and attributes individually or for an entire class of elements. Page Director manages and places standing elements, pages and issues; locates and applies color configurations; produces five standard reports; prints superior layouts; and provides stand-alone filters to measure copy and graphics. When completed, an issue can be exported to QuarkXPress for pagination, or comprehensive layouts can be printed.
$1,995 retail
Managing Editor Software, Inc.; 101 Greenwood Ave., Ste. 550; Jenkintown, PA 19046; 215-886-5662 or 215-886-5681 (fax)

PageSpeed 3.1
Page layout and editing software with database integration
Macintosh II or larger.

PageSpeed quickly produces newspaper pages, including four-color process and spot color separation with ink trapping, line art and halftones and other graphics, blended tints, special effect and curved type headlines, rotation, colorization and intelligent group duplication and modification. PageSpeed includes a powerful text editing environment with a spelling dictionary and thesaurus and full integration to DT's Editorial System. Text editing features include programmable function keys, command key equivalents for menu and toolbox functions and tag characters for imbedded type commands. Text handling and layout features include snap-to, snap-to-fit, item and group attributes and automatic alignment tools. PageSpeed also accepts information from many front-end editorial systems for back-end pagination.
$1,995 retail
Digital Technology International; 500 West 1200 South; Orem, UT 84058; 801-226-2984 or 801-226-8438 (fax)

PALOS
Photo ad layout system
Macintosh Plus or larger (for ad entry); Macintosh II family (for production).

PALOS (Photo Ad Layout System) is a series of integrated applications that manage the publishing of photo ad-type books, such as the "Auto Trader" and the metropolitan "Apartment Guide." The software maintains text and image databases and uses QuarkXPress to lay out and paginate the publication.
Call for pricing
PALOS Software; 3883 Ruffin Rd.; San Diego, CA 92123; 619-654-3333 or 619-654-3939 (fax)

Paper Inventory For Publishers
Software to manage paper inventory
Macintosh Plus or larger; 2 MB of RAM.

Paper Inventory for Publishers (PIP) is for production managers, print buyers and others who are involved with using and tracking paper they own and is stored at other locations. PIP is software developed specifically for managing publishers' paper inventory. If users buy $500,000 or more of paper per year and retain ownership of the paper while it is stored at the printers' locations, they can benefit from PIP. PIP will vastly improve paper purchasing, allocation, tracking and inventory reconciliation. The time users save will quickly pay for PIP, and they also benefit from reduced computational errors and better information about their inventory so that they can safely reduce their inventory levels.
$5,000 retail; single user
$500 retail; each additional user
InfoSolutions, Inc.; 147A Silverdale Rd.; Julian, PA 16844; 814-355-2983, 800-562-8722 or 814-355-7070 (fax)

Pre-Press PS
Workflow management tool
Macintosh Quadra 950 with Disk Array.

Pre-Press PS is a document management system designed specifically for the PostScript electronic prepress environment. There are many problems that are encountered when producing and ultimately billing a PostScript job — missed job specifications, lost graphic elements, output of the wrong file, no accurate job cost, missed deadlines, etc. Pre-Press PS provides solutions to all of these problems in an easy-to-use and learn application.
$5,000 to $100,000 retail
All Systems Color; 7333 Paragon Rd., Ste. 210; Centerville, OH 45459; 513-433-5054, 800-837-5054 or 513-433-8992 (fax)

Precision Circulation System
Newspaper management
Macintosh Plus or larger; hard disk drive.

Precision Circulation System (PCS) is a database to assist newspaper personnel in managing customer information relating to the circulation activity of a newspaper. It allows management of subscriber and non-subscriber information, along with route and carrier information. It can generate client mailing labels, subscriber renewal notices and reports using selected criteria. Form letters can be created, which can merge in client names and other information.
$495 retail
Precision Computer Systems; 1130 E. University Dr., Ste. 205; Tempe, AZ 85281; 602-829-3131 or 602-829-3133 (fax)

Print Ex-Press 2.0
Small print shop management
Macintosh Plus or larger (Macintosh Classic II or larger recommended); 4 MB of RAM (additional RAM recommended); hard disk drive; Helix Express or Runtime Helix; System 7.0 or later.

Print Ex-Press is designed for the management of small print shops. It can be used in a single or multiuser system. Features include: job estimates (figures all aspects of printing jobs and bindery operations); invoices (automatic from estimates; will list numerous jobs for same client); clients (names, address, discounts, etc.; lists of past sales/job activities); self customization of paper types, inks, sales tax, etc.; custom prices for printing, cutting, folding, numbering, collating, etc.; password protection; job, invoice and client reports/lists; and many pop-up menus, buttons, etc., for easy choices.
$550 retail; with Runtime Helix
Call for Helix Express (multiuser) prices and demo
Photo Agora; Hidden Meadow Farm; Keezletown, VA 22832; 703-269-8283 (phone/fax)

Printers Inc.
Print shop manager
Macintosh Classic II; 1 MB of RAM; 40 MB hard disk drive.

Printers Inc., level one, is designed for small commercial print shops, quick print shops, copy/repro shops and inplant print shops. Printers Inc. is a total solution from an estimate to an invoice: Estimating, Order Entry, Job Tickets, Order Status Reporting, Budgeted Hourly Rates, Point of Sale/Counter Sales, Printing Price List Generator, Copy Price List Generator, Weekly and Monthly Sales Reports, Sales History Reporting, Invoicing, Management Reports and an integration to Great Plains Accounting Software, Accounts Receivable and General Ledger.
$1,495 retail
Data Specialists, Inc.; 715 Florida Ave., Ste. 411; Minneapolis, MN 55426; 612-541-0440 or 612-541-1149 (fax)

Printers Inc/2
Print shop manager
Macintosh Classic II; 1 MB of RAM; 40 MB hard disk drive.

Printers Inc/2, level two, is designed for small, medium or large graphic arts companies (litho printers, web printers, screen printers, inplant print shops, typesetters, color separators and other trade shops). Printers Inc/2 is a total solution for the graphics industry from an estimate to an invoice with job ticket design and printing. Modules available are: Estimating, Order Entry, Job Costing, Automated Data Collection of Labor & Materials, Real-Time Work-In-Process Reporting, Scheduling/Shop loading, Productivity Analysis, Sales Analysis, Raw Materials Inventory, Purchase Order, Cost Center Hourly Rates, Invoicing, Management Reports (expanded) and an integration to Great Plains Accounting Software, Accounts Receivable and General Ledger.
Call for pricing; depends on packages chosen
Data Specialists, Inc.; 715 Florida Ave., Ste. 411; Minneapolis, MN 55426; 612-541-0440 or 612-541-1149 (fax)

Product DB
Powerful relational product management database
Macintosh Plus or larger.

Product DB puts ACI's 4th Dimension database to work tracking product information. While product ID numbers, pictures, retail and sale prices stay in easy-to-handle individual files, a look at the overall merchandising picture is only a mouse-click away. Product DB provides powerful export filters that link it to Catalog Maker, allowing data from the database to be flowed automatically into QuarkXPress pages.
Call for pricing
Integrated Software, Inc.; 475 Park Ave. S; New York, NY 10016; 212-545-0110 or 212-545-0198 (fax)

PS-ACT
Adobe Photoshop plug-in module that enables users to maintain, edit or create caption data
Macintosh II or larger; Adobe Photoshop 2.1 or later; System 7.0 or later.

PS-ACT is an Adobe Photoshop plug-in module (with Acquire, Filter and Export aspects) that enables users to maintain, edit or create caption data in the ANPA/IPTC (American NewsPaper Association/International Press Telecommunications Council) format with TIFF or JPEG files. Acquire Plug-Ins include PS-ACT TIFF Acquire and PS-ACT JPEG Acquire. PS-ACT will detect and store ANPA/IPTC formatted captions within TIFF files exported from the AP-Leaf Picture Desk or AXS images on PressLink. PS-ACT also enables users to create a new caption for a TIFF or JPEG file. The Filter Plug-In includes PS-ACT Add/Edit Caption. Users summon the PS-ACT Add/Edit Window from the "Other" item in Photoshop's Filter menu and edits or adds caption data here. Export Plug-Ins include PS-ACT TIFF Export, PS-ACT JPEG Export and PS-ACT Proofer. The captions, keywords, Thumbnail and Preview images that can be found in TIFF or JPEG files exported via PS-ACT's file export modules are immediately recognizable by Leaf and AXS archiving systems, as well as such applications as Aldus Fetch and Apple's new agent software, AppleSearch. PS-ACT prints an image and its associated caption data in one of four formats: Vertical, Horizontal, Legal and Vertical Scrapbook, to any "chooseable" gray-scale printer. Although color is not yet officially supported, excellent results have been obtained with Canon's CLC-500 and the 3M Rainbow Printer.
$299 retail
IronMike Software Inc.; 3301 Wood Valley Rd. NW; Atlanta, GA 30327; 404-240-0331 or 404-841-9726 (fax)

Q-Edit
Editorial system for both newspaper and magazine publishers
Macintosh LC or larger; 4 MB of RAM; QuarkXPress.

Q-Edit is a powerful and flexible editorial system ideally suited to both newspaper and magazine publishers. Access to the stories on the system is controlled via the System Manager Program, which allocates editorial functions by the type of user (e.g., reporter, copy taster, sub-editor, etc.). The stories themselves are held in baskets (folders), which may be defined, for example, by specific publication. The system can be configured to meet exact user requirements, such as for data storage, copy routing and output to any PostScript-compatible device. It contains all standard editorial functions with full-page makeup using a design-led or text-led approach. The system comprises three main elements: The Editor, for use by reporters; The System Manager Application, for such tasks as purging stories and editing structures; and The XTension, providing the link between Q-Edit and QuarkXPress for page layout and composition.
Call for pricing
QED Technology Ltd.; The Priory, 37 London Rd.; Cheltenham; Gloucestershire, England Gl52 6HA; +44 (0) 242-573344 or +44 (0) 242-519364 (fax)

■ **Scitex CataLogic**
Catalog database publishing system
Macintosh II or larger; 8 MB of RAM; 24-bit color monitor.

Scitex CataLogic is a catalog publishing system. Scitex CataLogic was developed to create a streamlined-database catalog system that will allow users to incorporate last-minute changes, increase copy/price accuracy and meet critical deadlines with shorter lead times. Using client-server architecture allows catalog publishers to link all page elements to a central database with images archived and readily available on a Macintosh or Risc 6000 file server (Scitex Ripro Server). The file server can be connected to production servers, allowing quick transfers of FPO (for position only) PSImages and final pages. Using this workflow, designers can build pages as the production team scans final images and performs color corrections and retouching. Implementing Scitex PSImage and Scitex APR technology into the design phase enables production teams to quickly process PostScript files and output film.
Call for pricing; may vary with configurations

Scitex America Corp.; 8 Oak Park Dr.; Bedford, MA 01730; 617-275-5150 or 617-275-3430 (fax)

SpeedPlanner
Planning and tracking tool for advertising and editorial material with database integration
Macintosh II or larger.

SpeedPlanner is used to dummy advertising content for magazines and newspapers and create ad stacks according to rules defined by press run, section or page by page. Color ads are placed on color pages and preventing back-to-back coupon placement can be activated. Editorial material is also planned by story module, including headlines, graphics and photos. Page dummy templates may be imported into all Macintosh page-layout programs or printed to a LaserWriter as a page makeup guide. When SpeedPlanner templates are used with DT's PageSpeed, all layout information is electronically passed for automated pagination. SpeedPlanner tracks completed ads and editorial material by story module and assembles page elements for unattended and automated full-color, full-page pagination. Pages may be sent to film, paper or plate-ready PostScript output devices, including four process color separated pages.
$4,995 retail
Digital Technology International; 500 West 1200 South; Orem, UT 84058; 801-226-2984 or 801-226-8438 (fax)

SpeedWriter
Reporting and editing software with database and library function integration
Macintosh Classic or larger.

SpeedWriter is a code-free text editing environment for newspaper reporters and editors. SpeedWriter's multiwindow editing allows online database searches and library queries to be displayed in up to 20 separate windows at once. Programmable function keys, keyboard shortcuts, intelligent editing keys, spelling dictionary, thesaurus, dictionary and rule-based hyphenation, discretionary hyphenation, continuous word count and galley depth measurements, backup and fault-tolerant file protection options and close-fit copy editing are some of the features that make SpeedWriter an effective tool for writers and editors. SpeedWriter has full integration with the DT Editorial Database to help manage copy flow and pagination.
$795 retail
Digital Technology International; 500 West 1200 South; Orem, UT 84058; 801-226-2984 or 801-226-8438 (fax)

Subscriptions & Subscribers 2.0
Subscription fulfillment and circulation management
Macintosh LC II or larger.

Subscriptions & Subscribers, Version 2.0 features improved graphics and printing. Designed for small to medium newspapers and magazines (1 to 20,000 subscribers), handles a variety of subscription periods. It generates Cheshire labels, and a selection of other label types; prints renewal notices and invoices on custom forms or plain paper; and allows statistics and reports to be customized in a variety of ways. Custom searching and sorting of subscribers is easily handled. The system reports on the pro-rated portion of the subscription that may be used by the magazine or newspaper. Program customization is available. Ninety days of free software support is provided.
$495 retail
Lazarus Software, Inc.; 416 Sharp St.; Virginia Beach, VA 23452; 804-463-7073 or 804-622-2718 (fax)

T-CALS
Allows users to create documents in formats required for delivery to the government
Any Macintosh.

T-CALS allows a Macintosh to create documents in MIL-STD 1840B format on nine-track tape for delivery to the government. Using T-CALS, it is possible to assemble a complete Macintosh-based system that creates technical publications and product data (engineering drawings) for delivery in the formats required by government contracts. T-CALS works with all standard Macintosh applications that generate CALS-compliant files in any CALS-standard format, including SGML, CGM, IGES and Group 4 fax. T-CALS is highly automated and easy to use. After a user identifies the files that comprise the deliverable, T-CALS takes over. Once a user has entered a few pieces of information identifying the deliverable and its destination, T-CALS converts each file into CALS format and writes it to tape. It also accepts graphics as PICT files and automatically converts it for CALS delivery.
$9,550 retail; includes nine-track tape drive, all necessary cables and T-CALS software
$1,000 retail; annual maintenance
GSC Associates, Inc.; 13254 Jefferson Ave.; Hawthorne, CA 90250; 310-675-2093 or 310-675-2159 (fax)

Team Publisher
Enterprise-wide automation solution for magazine publishers
Macintosh with 8 MB of RAM; hard disk drive.

Team Publisher delivers an enterprise-wide automation solution for magazine publishers, linking the sales, production and accounting departments into a multiuser, client-server environment. Team Publisher manages a customer/prospect database, insertion order entry, ad tracking, billing and literature fulfillment. It features a state-of-the-art Sales Force Automation module, including a visual calendar. The Production module features a WYSIWYG classified ad management system and exports classifieds and Index of Advertisers directly into QuarkXPress and Aldus PageMaker. It also allows publishers to process reader service cards in-house. The Accounting module can be used to generate invoices, enter payments and produce statements, reports, etc. The entire package is seamlessly integrated and includes word processing. Fully-integrated spreadsheet and graphing are also available.
$1,495 retail
ZCo Corporation; PO Box 3720; Nashua, NH 03061; 603-888-7200 or 603-888-8452 (fax)

ThumbPrint Master
Reduces the time and effort of generating printing impositions
Macintosh Plus or larger; System 6.0.4 or later.

ThumbPrint Master dramatically reduces the time and effort of generating printing impositions. In a matter of minutes, users enter data about the document and it's layout — no matter how many pages in the original document. ThumbPrint Master then generates pagination sheets, suitable for customer proofing, and signature impositions. ThumbPrint Master calculates and places blank pages and allows for adjustable page numbering, title pages and more. It supports common page/sheet size combinations and popular bindery systems. The program is System 7 compatible.
$799 retail; volume discounts available
Ambassador Software; 2190 Bristolwood Ln.; San Jose, CA 95132; 408-945-5772 or 408-946-4946 (fax)

Vertical Markets/Real Estate

Agent Pro
Real estate sales and marketing software
Macintosh Plus or larger; 4 MB of RAM.

Agent Pro is designed specially for real estate agents to put them in control of their day, never letting an important contingency slip by. It keeps track of clients and listings from day one. It allows for MLS connection, planned mail outs, tracking of listings/closings and much more. Agent Pro uses the friendly Macintosh and Windows interface. Most importantly, it's easy to use. Its clear, easy-to-read screens let users move throughout the program without classroom training or spending valuable time reading a manual. Other features available are: autodialer, word processor, appointment scheduling, CMAs and photo images in records and income and expense tracking. Agent Pro comes with a 60-day money-back guarantee.
$495 retail; free demo disk available
Actoris Software Corp.; 1100 Centennial Blvd., Ste. 248; Richardson, TX 75081; 214-231-7588, 800-964-2792 or 214-231-6290 (fax)
FAX⊘NDEMAND 1-800-872-3293 **188**

AgentsTools
Loan amortization, payoff, qualifying and property/inflation calculating software
Macintosh Plus or larger; System 6.0.7 or later.

AgentsTools is a stand-alone program that, after entering principal, interest rate and length of loan, calculates monthly payments instantly. An "Overpayment" field allows users to pay more than the required payment and illustrates savings in interest and length of loan in the amortization tables and the bar graph. The "Pay-Off" section calculates and shows the loan balance, cumulative interest paid and cumulative principal paid for any point in time during the loan life. The "Qualifier" calculates what loan amount buyers can qualify for based on their gross monthly income and their debt service. The "Home Value in 'x' Years" calculates the value of a property based on the number of years a property is held, the assumed rate of inflation and the original purchase price. A DOS and Windows version is also available.
$36 retail
4ms4Mac Co.; 1025 S. Main St.; Corona, CA 91719; 909-736-1169 or 909-737-4691 (fax)

AlphaLink
Residential loan application preparation
Macintosh Classic II or larger; 4 MB of RAM; hard disk drive; System 6.0.5 or later.

AlphaLink provides mortgage brokers and mortgage lenders with a complete residential loan application preparation capability on the Macintosh. The program is very easy to use, using the actual 1003 form on the screen. It requires a laser printer with PostScript. The package includes the VOE, VOM, VOD, Transmittal Summary, Good Faith, Supplement to Real Estate Owned, Loan Log, Pre-Qualifier, Loan Analysis, Address Index, Loan Manager with a tracking system and a monthly/yearly status reporter. The Regulation Z, Rent Roll and I&E Statement, FHA, VA and Cal DRE programs are available as options at additional cost.
$1,180 retail
Alpha Link Corp.; 1201 11th St.; Hermosa Beach, CA 90254; 310-318-9799

Bi-Weekly Mortgage Amortization
Mortgage comparison
Macintosh 512K or larger; Microsoft Excel or Works.

Bi-Weekly Mortgage Amortization lets users compare a conventional monthly mortgage of any size, interest rate or number of years with a bi-weekly payment equal to one-half of the conventional payment. A side-by-side amortization schedule shows the dramatic interest savings and faster payoff of the more frequent payments.
$25 retail
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

Commercial Leasing Edge
Manages detailed information on tenants and commercial buildings, brokers and space availability with a tickle card control system, status reports and electronic Rolodex
Macintosh LC or larger; hard disk drive; printer; backup system is recommended.

Commercial Leasing Edge is a comprehensive package that manages detailed information on tenants and commercial buildings, brokers and space availability. It was specifically written to fully automate the research and data processing activities of the independent leasing broker, leasing agency or a building owner's leasing/marketing staff. The building database includes detailed building profiles with the capability to search and sort by expiration dates, square footage, rates, expenses, location, available space and more. The tenant database includes detailed tenant profiles with multiple locations per tenant, and generates prospect tickle cards. An active client status report tracks multiple clients through the various stages involved in new lease negotiations, renewals or expansions. The broker database includes broker company profiles with agent listings, assigned building lists, form letters and labels. An electronic Rolodex is available for quick search of phone numbers and other contact information. In addition, there are single key connections to word processing, drafting and spreadsheet programs. An optional custom reporting module enables a user to search, sort and extract multiple variables on any information set within the database to generate highly focused reports in a variety of user-defined formats.
$995 retail; single user (discounts are available for additional users per site license)

These Products Available Through Bottom Line Distribution
1-800-347-1923

$500 retail; custom reporting module
Bill Wendlandt Co., Inc.; 612 Brazos, Ste. 200; Austin, TX 78701; 512-472-1234 or 512-472-1242 (fax)

Commercial/Industrial Real Estate Applications V3.0
Project cost, expense analysis for new development
Macintosh Plus or larger; 1 MB of RAM; Microsoft Excel.

Commercial/Industrial Real Estate Applications is a spreadsheet model for commercial real estate developers that can be used to produce pro forma budgets. It's intended to produce reports that demonstrate the viability of proposed projects and support for developers' requests for financing. All program data is entered into an Assumptions screen. From this information the program produces a four-page report. The first page states general information about a project and its financing. The second page summarizes architectural and engineering information, land, development and lease-up. The third page details construction and site costs, and recaps the total project cost. The fourth page presents a projected income-and-expense statement for the first full year of operation after lease-up. This page also includes estimated resale, with cap-rate calculation. A developer may specify the lender's debt coverage ratio, and the model provides the maximum loan a project will support. Similarly, a user may specify a required rate of return, and the program estimates gross rental income needed.
$150 retail
RealData, Inc.; 78 N. Main St.; South Norwalk, CT 06854; 203-857-4310, 800-899-6060 or 203-852-9083 (fax)

Comparative Lease Analysis
Economic analysis of competing real estate lease proposals
Macintosh Classic or larger; Microsoft Excel.

Comparative Lease Analysis is a sophisticated Excel model that allows users to evaluate up to six competing lease proposals. These proposals can represent different spaces or different negotiating positions in regard to a single lease. With each proposal, users can take into account base rent; CPI escalations; pass-throughs for electricity, taxes and other expenses; expense stops and tenant's percentage over the stops; parking expense; build-out cost and allowance; free rent; moving cost and allowance; and other concessions. With just a few minutes of data entry, users will produce presentation-quality detailed and summary reports that show the true cost of each lease proposal, in actual and discounted dollars and by rentable and usable square foot. The program is designed not only to benefit leasing brokers, but also for commercial landlords and tenants, who can use it to evaluate offers and counter-offers in negotiation.
$295 retail
RealData, Inc.; 78 N. Main St.; South Norwalk, CT 06854; 203-857-4310, 800-899-6060 or 203-852-9083 (fax)

The Complete Property Manager
Property management
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; dot matrix printer.

The Complete Property Manager is designed to facilitate the accounting needs of all property managers. Due to the ease, simplicity and comprehensiveness of the accounting programs, the system can be used by the two or 2,000 unit manager without difficulty. Additionally, the system is designed to handle not only multiple unit apartment complexes, but also single family dwellings and commercial properties. Integrated with the Property Manger is a complete Accounts Payable and General Ledger system. In Accounts Payable, batch entry and automatic calculation of invoices due for payment or discounts simplify the task of tracking monies owed. Multiple checking accounts and check reconciliation gives management the ability to make daily review of cash flow. The aging report allows for analysis of future cash needs. Printed checks are mail-ready with detailed stubs attached. Manual checks provide for the one-time or out-of-process checks that need to be written and recorded. The General Ledger is the core to the entire system. It is designed to fit the user-defined Chart of Accounts and simplify the interaction of Accounts Payable and Property Manager for easy and accurate financial reporting. Integration with the other programs is fully audited and user-defined journals allow for simplicity in adjustments and journal entry of non-interfaced accounting. Interim trial closes may be done at any time. Budgeting and comparison statements are simple to create with the use of the Spreadsheet Interface. A Report Writer allows the creation of custom reports.
$1,295 retail
Micro VertiSoft; PO Box 901; Springfield, OR 97477; 503-726-1045 or 800-826-4270

DeedMaster
Assists in surveying, land design and legal description evaluation
Macintosh Plus or larger; 1 MB of RAM (4 MB with System 7); System 6.0 or later.

DeedMaster is designed to assist realtors, surveyors, engineers, architects and government personnel in surveying, land design and legal description evaluation. Standard coordinate geometry routines allow users to manipulate field data and to produce a scaled drawing of the project. Furthermore, the plot may be printed on a printer or plotter or exported as a PICT file to CADD software for drawing purposes. Legal descriptions may be readily evaluated to determine correct closure, area and shape of the parcel. Coordinate values may be imported or exported as a tab-delineated text file.
$250 retail
Guenzi Surveys; Box 127, #38 CDR; Glendive, MT 59330; 406-365-3527 or 800-299-2197 (orders)

FmHA Manager
Property management
Macintosh Classic II or larger; 4 MB of RAM; hard disk drive; ImageWriter II or LaserWriter.

FmHA Manager (FMG) is a property management system for Rural Rental Housing Apartment Projects financed by USDA Farmers Home Administration (FmHA). FMG includes full accounts receivable capabilities, including tenant receipts, tenant ledgers, ledger autocharge and posting summaries. Accounting reports include tenant receipts by property by day, tenant balance reports, charge reports and miscellaneous receipts reports. FMG provides the required Federal Government reports, including FmHA Tenant Certifications, Project Worksheets, Statement of Budget Income and Cash Flow, Monthly Reports and Waiting Lists. Property management reports include security deposit reports, tax credit reports, subsidy assignment reports, vacant unit/rent loss reports, notice to quit lease termination reports and mailing labels. FMG can handle up to 99 properties with 99 rental units per property and is available in three different versions (Professional, Deluxe and Basic). FMG was created with Helix Express. FMG is available in both single and multiuser versions. Total Management Systems is an Apple Authorized Value Added Reseller and is capable of providing complete office automation solutions, including custom software database development, installation, training and computer hardware.
$2,095 (single user) to $2,695 (three users) retail; Professional FmHA Manager
$1,095 (single user) to $1,695 (three users) retail; Deluxe FmHA Manager
$695 (single user) retail; Basic FmHA Manager
Total Management Systems, Inc.; 6436 Mt. Maria Rd.; Hubbard Lake, MI 49747; 517-727-3737

HomeLoan
Loan amortization and payoff calculating software
Macintosh Plus or larger; System 6.0.7 or later.

HomeLoan lets users enter Principal, Interest Rate and Length of Loan to calculate monthly payments instantly. It also calculates payoff amount, cumulative interest paid and cumulative principal paid during any point in time during the loan life. Excel template included with the program produce amortization schedules showing breakdown of Interest and Principal for each payment, each year, and cumulative totals of Interest and Principal for any and all years.
$29 retail
4ms4Mac Co.; 1025 S. Main St.; Corona, CA 91719; 909-736-1169 or 909-737-4691 (fax)

■ **HUD1 4ms4Mac**
Standard HUD forms
Macintosh Plus or larger; System 6.0.7 or later.

HUD-1 4ms4Mac is a stand-alone product that produces the standard HUD-1 forms used in escrow offices, law offices handling real estate transactions and real estate offices. The screen forms allow easy entry of all data, and calculations are automatic and instantaneous. A laser printer printout duplicates exactly the OMB No. 2502-0265 form. Also included are FileMaker Pro and Informed Manager Templates to allow databasing of completed forms.
$46 retail
4ms4Mac Co.; 1025 S. Main St.; Corona, CA 91719; 909-736-1169 or 909-737-4691 (fax)

■ **Investor Master-1**
Investment real estate system
Macintosh Plus or larger; 2 MB of RAM; MS Excel 4.x; hard disk drive.

With Investor Master-1, users perform comprehensive evaluations on development real estate — analyzing discounted cash flow opportunities are critical for successful investing. A fully integrated add-on package includes 13 analysis programs: Renovation/Rehab, Cash Flow, Joint Venture, Raw Land, Installment Sales, Developer's Analysis, Mortgage and Loan Analysis, Annual Income/Expense, Monthly Income/Expense, Break Even and three development proformas. Users can produce one to 10 year projection of the income, expenses, pre-tax/after-tax cash flow, disposition, investment analysis, IRR, FMRR, NPV, GRM, C-on-C and others. Investor Master-1 handles amortization, capitalization, hard and soft construction and development costs and more. Investor Master-1 gives users 13 real-world programs in one integrated package. Users can use the desktop publishing interface and create interesting, informative reports.
$495 retail; single user
$995 retail; multiuser
Fin-Tec Service Corp.; 3055 W. Monmouth St.; Tucson, AZ 85741; 602-297-8289

Landcalc
Deed plotting and map checking program
Macintosh Plus or larger; System 6.0 or later.

Landcalc is a deed plotting and map checking program for real estate lawyers, appraisers and other professionals who need to see a graphical representation of deed descriptions. All information appears both graphically and numerically as it is input. It plots as users enter or edit metes and bounds data. Users can enter data in a variety of different ways: draw with the mouse, import from another program, fill in a spreadsheet, enter a series of bearings and distances or enter curves in a dozen different ways. Users can choose exactly which information should appear for each point, line, curve, boundary and field traverse. Complete closure information can be shown, including direction, length and relative accuracy.
$195 retail
Compuneering Inc.; 113 McCabe Crescent; Thornhill, Ontario, Canada L4J 2S6; 905-738-4601 or 905-738-5207 (fax)

Loan Qualifier
Assists in qualifying mortgage prospects, calculates all loan costs and generates a closing and qualification report
Any Macintosh.

Loan Qualifier assists in qualifying mortgage prospects, calculates all of the costs associated with the loan and generates an accurate loan estimate report. Purchases and refinances can be handled with: typical first mortgages; second mortgages; assumptions; seller carrybacks; and fixed, variable, equity or blended rate loans. It will support single-family, PUDs and multiunit real estate transactions. The program calculates whether the client qualifies and details the following: income required and maximum loan that will qualify; tax and insurance impounds; first and second mortgage principal and interest; property taxes and insurance; transfer taxes; and homeowners association dues. It reports application fees, such as appraisal, credit report, document stamps, escrow, notary, title, recording, processing and inspection. The tool also calculates pro rated taxes, pre-paid interest, qualifying ratios, total down payment, total monthly payment and all costs.
$99 retail
Financial Microware; PO Box 40; Cupertino, CA 95015; 408-446-5639

Mac Landlord
Property management
Macintosh Plus or larger; 2 MB of RAM (4 MB with System 7); System 6.0.2 or later.

Mac Landlord is designed to manage rental properties, including apartments, shopping centers and office buildings. It allows users to track tenants' activities by rental unit, such as rent payment, late fees, move-ins, move-outs and lease expirations. A vendor list can be set up to track and pay recurring expenses and automatic check printing is included. Built-in reports include rent roll, unit history, unit profile, vacancies, delinquencies, lease expirations, charges to tenants and payments to vendors. Other features include three levels of password protection; apply late fees and update tenant balances quickly and automatically; and export data to other applications.
$399 retail
$25 retail; demo (credited to purchase price)
Illuminating Software; PO Box 2037; Dearborn, MI 48123; 313-562-6247

MacAppraiser
Residential/commercial appraisal software
Macintosh Plus or larger; ImageWriter or compatible laser printer, except Apple StyleWriter and Personal LaserWriter LS.

MacAppraiser is an integrated program for processing a complete real estate appraisal report. Built into the program is a forms processor; sketcher that automatically calculates the living areas; word processor; 11 standard addendums (extra comparables, photos, sketch addendum, etc.); plus a custom addendum designer for creating special purpose addendums. The program includes six databases for comparables, lenders, neighborhoods, etc., and unlimited standard responses. The forms are displayed to scale on the screen and the complete report is stored, edited and printed as one file for easy management. More than 30 computerized appraisal reports are available from the company.
$89 to $495 retail
Bradford and Robbins; 707 Rio Grande, #100; Austin, TX 78701; 800-622-8727

MacAppraiser-Canadian
Canadian real estate appraisal software
Macintosh Plus or larger; 4 MB of RAM; hard disk drive.

MacAppraiser-Canadian is a program for processing a complete Canadian real estate appraisal report. The report consists of 12 appraisal forms. The complete report is stored, edited and printed as one file for easy management. The forms are displayed to scale on the screen and contain smart fields that perform all necessary data transfers and calculations automatically. The forms and data can be printed using any PostScript or compatible printer. The program is also available in a French-Canadian version.
$395 retail
Bradford and Robbins; 707 Rio Grande, #100; Austin, TX 78701; 800-622-8727

■ **MacExtractor**
Real estate files
Macintosh II or later; System 7.0 or later.

MacExtractor was developed to allow real estate agents to extract data from text files they download from their MLS systems. The data file must have labels preceeding the information the user is to extract. Users simply specify the labels preceeding the data they want and the length of information to extract. Users may define and save up to five different criteria for extracting. The extracted data can be easily imported into a database or spreadsheet.
$49 retail
Real Mac Solutions; PO Box 19727; Portland, OR 97280; 503-246-8315, 800-207-5020 or 503-246-8101 (fax)

MacMLS II
Telecommunications software for real estate professionals
Macintosh SE or larger; double density disk drive; System 7.0 or later.

MacMLS II is a complete communications solution for real estate agents wanting to access their MLS systems using a Macintosh computer. Agents will be able to print while online and capture data to their computer for later use in a database, prospect files or presentations. It is compatible with all Moore Data systems, including Compass. This program is actually recommended by Moore Data for all of their non-photo systems. It is easy to install and use.
$99.95 retail
Real Mac Solutions; PO Box 19727; Portland, OR 97280; 503-246-8315, 800-207-5020 or 503-246-8101 (fax)

MainPlan/CM
Facilities maintenance management system
Macintosh LC or larger; 4 MB of RAM; 40 MB hard disk drive.

MainPlan/CM is a computerized facilities maintenance management system that provides scheduling, work orders, inventory control, costs and reporting. The program follows the essential logic of maintenance by taking users through the planning, scheduling and task definition steps and generating work orders, purchase orders, invoicing clients (tenants) and capturing any displaying of information. Based on a relational database, the program was designed to permit true interactive maintenance management by allowing managers to examine schedules, facility history, reports and inventory status directly on the screen.
$4,995 retail; single user
$6,995 retail; multiuser
M2 Limited; 9210 Wightman Rd., Ste. 300; Gaithersburg, MD 20879; 301-977-4281, 800-927-4281 or 301-926-5046 (fax)

Manage•U•Store V5.0
Self-serve storage management
Macintosh Plus or larger; hard disk drive recommended; ImageWriter.

Manage•U•Store is a program for managing self-storage facilities. Features include: tracks up to 15 units rented to any one client; complete financial history of all transactions occurring for each client; ability to send invoices prior to due date; reserve or hold a particular unit for a client; lists of all clients available; mailing labels; automatically posts rent and late charges on the day they are due; automatically prints late letters and invoices during posting; computes any tax (including GST) automatically at preset rate; automatically calculates any pro rated rental amounts; system can be configured to anniversary date, first of the month or any combination of up to three default dates per month; permits post-dated checks or pre-authorized credit card slips; automatic numbering of contracts; welcome letter printed to clarify payment obligations of client; complete record of all correspondence and dates sent; delinquent account information; payments are easily split over numerous units; transaction numbers assigned for complete audit trail; NFS (returned) checks easily entered and service charge automatically assigned; easy cash drawer reconciliation report; more than 50 comprehensive reports; custom report generator; vacant unit list and delinquent account list printed every day upon start up; nine levels of password security; and more. The program can be customized to fit individual needs and allows users to adjust the configurations at any time.
$1,695 to $2,495 U.S. retail; multiple site discounts and free demo available
Stewart Canivet Sales Ltd.; 976 Melton Dr.; Mississauga, Ontario, Canada L4Y 1L1; 905-897-2005

Mortgage Loan Calculator
Qualifies buyers by loan type; for mortgage bankers, realtors and home builders
Macintosh 512KE or larger.

The Mortgage Loan Calculator is a series of programs designed to qualify buyers by five loan types. The system graphically displays a large calculator on screen with displays for loan type, annual income, loan amount, term, rate, long term debt, other monthly expenses, monthly P/I payment and home price. There are two basic methods for qualification: enter the annual income to compute the maximum loan amount, or enter the requested loan amount or home price to compute the required annual income. Results are instantly displayed for all categories and will be redisplayed if any new factor is entered to answer a buyer's what-if questions. The system utilizes maintainable default values for qualification, including ratios by loan type, closing costs, mortgage discount, loan rate, loan term, minimum down payment, federal and state tax rates, monthly housing expenses, expected appreciation, disclaimers and more. A selected loan-type worksheet can be printed, as well as an amortization schedule with options for annual or monthly detail, fixed and ARM loans with monthly or bi-weekly payments.
$129 retail
HMS Computer Co.; 5937 Fairwood Dr.; PO Box 1707; Minnetonka, MN 55345; 612-934-2652 or 612-933-9664 (fax)

The Mortgage Office — Lite
"A" paper loan processing (FNMA) for bankers and brokers
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; PostScript-compatible laser printer.

The Mortgage Office — Lite processes residential loans from the 1003 origination through the 1008 lender hand-off. Designed with screen displays that look like the actual forms, the program is easy to use and provides self-teaching compliance with FNMA guidelines. It automatically creates verifications, the real estate schedule, the Good Faith Estimate, the Transmittal Summary and prepares the Truth In Lending Statement. It includes permanent telephone logs that record all calls concerning each client, a checklist tracking system for follow-up against loan conditions, a word processor, "quicklook" loan status reports and a built-in 4th Dimension database runtime. It can be used to take loan applications in the field on a portable PowerBook and was optimized for the Mac by a certified Apple developer, who is also an active loan broker.
$495 retail
Concept 2001; 1250 Aviation Ave., Ste. 245; San Jose, CA 95110; 408-985-2001

Office Wiz Pro for Real Estate
Real estate office management for brokers/owners/managers
Macintosh LCII or larger; 5 MB of RAM; laser printer.

Office Wiz Pro for Real Estate is an integrated office management program for real estate brokerage firms. The program tracks properties, agents and commissions, generates escrow instructions, form letters and ad copy, and automates monthly floor schedules. Users can also perform bookkeeping and agent billing and print commission checks. Standard management reports include monthly statistics, agent rankings, quarterly reviews, pending sales and income by property. Office Wiz is powered by a relational database with extensive flexibility in setting commission schedules and customizing reports and form letters.
$895 retail; single user (mulituser available)
Oryx Associates; 1867 Union St., Ste. B; San Francisco, CA 94123; 415-563-9971 or 415-563-0238 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

On Schedule 2.0
Cash-flow planning for subdivisions and condominiums
Macintosh Plus or larger; Microsoft Excel.

On Schedule is designed to help real estate developers produce month-by-month plans for drawing down, using and repaying development loans. Users enter all cash inflow and outflow assumptions about their projects in one area of this spreadsheet model. They can specify the amount for certain expenses in any or all of the report function's 60 available months, fine-tune construction costs and vary their selling schedules to compare best-case and worst-case projections. Based on the given assumptions, the program forecasts projected absorption and cash inflows and outflows for each month. It also calculates how much of a development loan must be drawn each month to meet expenses. In addition, the program monitors loan status and identifies when a project will be sold and the lender repaid.
$195 retail
RealData, Inc.; 78 N. Main St.; South Norwalk, CT 06854; 203-857-4310, 800-899-6060 or 203-852-9083 (fax)

■ **Point4 Title Office**
Title or escrow office solution
Macintosh Quadra or Power Macintosh; 16 MB of RAM; 230 MB hard disk drive.

Point4 Title Office is for any title or escrow office, designed by professionals with experience in real estate development, construction and title insurance business. The available modules, such as word processing, spreadsheet and charting, are fully integrated for ease of use and control. Numerous documents and reports are included to get started, more can be added as needed. The program starts with a complete contact manager for tracking all of the people and companies involved in a closing. A relational database is used to sort data and print reports. A full business accounting package controls the escrow account, settlement statement and all the other accounting necessary to run a business. A "maintenance free" wide area network can be implemented for branch offices. A revolutionary construction load disbursing system is available. There is no need for any additional software because the system can include word processing, spreadsheet and graphics modules. Point4 includes full documentation and support. Point4 can be installed as a stand-alone or as a Client/Server system for networking.
$15,000 to $18,000 retail
Point4, LLC.; 971 Barbizon Dr.; Manchester, MO 63021; 314-394-1414 or 314-391-5149 (fax)

ProAnalysis
Investment analysis
Macintosh Plus or larger.

ProAnalysis is an easy-to-use program that provides comprehensive financial analysis to facilitate real estate decision-making. Features include: analyzes financial performance of houses, apartments and commercial/industrial properties; projects multiyear performance based on comprehensive variables; calculates cash flows, IRR, Net Present Value, tax implications and more; and creates a nine-page analysis of results that can be viewed on screen, as well as printed.
$295 retail
Business Edge; 20250 Acacia St., Ste. 160; Santa Ana Heights, CA 92707; 800-386-3343 or 714-476-7551 (fax)

The Property Assistant
Commercial or residential property management
Macintosh Plus or larger; 1 MB of RAM (4 MB with System 7); hard disk drive; System 6.0 or later.

The Property Assistant is a complete multiuser/multicompany accounting solution for any property owner/manager who handles any commercial or residential property (HUD features available). The system incorporates some of the following features: multiple properties, units, tenants, automatic invoicing, alternate billing, recurring entries, meter readings, prepayments, deposits, tenant and unit profiles, expense tracking and sales listings. Complete tenant history with invoice and receipt printing is provided. Information can be accessed by tenant name or unit. The system also includes General Ledger, Accounts Payable and Payroll integration. The Property Assistant is compatible with Macintosh System 7, Unix, DOS and Macintosh to Unix platforms. It includes a manual with online help. Service contracts and customization are available.
$495 retail
Newhouse Software; PO Box 2547; South Lake Tahoe, CA 96158; 916-541-1846

Property Management III
Accounting and management system
Macintosh Plus or larger; hard disk drive.

Property Management III is a full-featured accounting and management package, ideally suited to both the private owner and professional manager. It offers property and unit profiles, Accounts Receivable, Accounts Payable and General Ledger, all combined into one seamlessly integrated package. Features include: open-item accrual-based accounting, with detail retained past the monthly close out; automatic billing of monthly rent, common area charges and other user-defined charges; tenant statements, with aging; complete Accounts Payable system, with cash management and discount scheduling; automatic posting of recurring monthly expenses; cash requirements report, check printing and vendor 1099s; integrated General Ledger that updates immediately as A/R and A/P transactions are posted (separate chart of accounts and financial statement for every property); service/maintenance history and tracking; lease abstract facility; collection letters and notices; management and financial reports; online documentation; and more.
$1,495 retail; unlimited number of units and properties
$995 retail; limited to 500 units
$695 retail; limited to 200 units
$395 retail; limited to 50 units
(all smaller versions are upgradable to any larger capacity version without any lost data)
$45 retail; fully-functional evaluation system
RealData, Inc.; 78 N. Main St.; South Norwalk, CT 06854; 203-857-4310, 800-899-6060 or 203-852-9083 (fax)

Property Manager
Property management system
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; dot matrix printer.

Property Manager is a complete, multiuser, multicompany property management system that allows the automation of tenant billing, work orders and expense accounting. System highlights include: pro-rated billings, multiple unit types, multiple deposit accounts, monthly invoicing for tenants, late charge percent and flat rate billing, print tenant receipts for payments, prints work orders for maintenance, additional charge billings, alternate tenant billing, management reports, recurring invoice and recurring entries. Flexware's General Ledger integration, Accounts Payable and Payroll interface is available, as well as HUD reporting capabilities.
$695 retail
Micro VertiSoft; PO Box 901; Springfield, OR 97477; 503-726-1045 or 800-826-4270

The Property Manager
Residential, commercial and ministorage property management
Macintosh Plus or larger; hard disk drive.

The Property Manager is a residential and commercial property management system that helps users manage scarce resources — time and capital — to increase their bottom line through better control and increased productivity. The system automates such tasks as automatic rent increase notices and profit and loss statements, along with complete ledger reports. A unique feature of the program, Note Pad, allows users to manage virtually any type of information. Each tenant, rental unit and vendor has their own Note Pad that is up to 1,500 lines. Through the use of the Note Pad users may track lease abstracts, legal information, maintenance histories, delinquency histories and more. Additional features include: complete tenant ledger with histories and delinquency, lease expiration and deposit refund notices; rental unit information, including vacancy analysis; multiowner trust account management; check writing, automatic mortgage payment and amortization; General Ledger with automatic posting of all activity; up to 1,500 properties with 1,500 units per property; mailing lists; and more.
$345 retail; Quick & Easy (up to 30 tenants)
$495 retail; Quick & Easy (up to 50 tenants)
$995 retail; Professional System (single user)
$1,295 retail; Professional System (multiuser)
MPM Computing; 41530 Big Sage Ct.; Temecula, CA 92390; 714-694-4460

Property Place 3.0
Residential rental property management
Macintosh SE/30 or larger; 5 MB of RAM; hard disk drive.

Property Place allows users to manage any number of companies (partnership, sole proprietorship and/or incorporated), complexes, buildings, units and tenants. It automatically calculates tenant and/or government (for subsidized tenants) due amounts in both cash and accrual systems; sends appropriate notices and statements; and tracks late fees, bounced checks, lease extensions and lease expirations. Property Place produces tenant rent ledgers tracking both tenant and government payments, and it allows users to produce work orders, pay vendors from the work orders (to avoid duplicate data entry) and report maintenance history by unit and building. And, new with version 3.0, users can manage retail and commercial tenants. Included is a full, double-entry accounting system (general ledger, accounts payable, tenant and miscellaneous accounts receivable) that allows users to manage different companies appropriately. On a company–by–company basis users can mix cash and accrual accounting, closing the books or not, gross potential revenue method of receivable posting or not, and tracking and printing work orders, invoices and statements or not. Property Place allows users to print checks and deposit slips, as well as reconcile bank accounts, which can be shared among companies. Users can batch transactions or post them immediately; and they can import transactions and vendors from other applications. Balance sheets (at the company level) and profit and loss statements (at building, complex and/or company level) are automatically produced. Some other reports are: Trial Balance; Cash Disbursements Journal; Cash Receipts Journal; Accounts Payable, Receivable, and Tenant Receivable Journals; General Journal; and General Ledger Detail Account Balances.
$795 retail; single user
$1,895 retail; multiuser with server, two clients
$199 retail; each additional client
$2,495 retail; with source code access
Pinehill Software Corp.; 53 Siders Pond Rd.; Falmouth, MA 02540; 508-548-4470 or 508-548-8731 (fax)

Prospector
Real estate management
Macintosh Plus or larger; hard disk drive.

Prospector is designed to manage real estate sales prospect lists, track the history of contacts with the prospect and automate the communications process as much as possible. The program records the standard address information, has multiple phone numbers that

can be automatically dialed, keywords and contacts. When a prospect is contacted, the information about the conversation is automatically dated and time stamped and marked for follow up if needed. If a follow up time is entered, an entry is recorded in a built-in scheduler. Form letters can be merged and labels can be generated automatically for any selection of prospects. Several fields are available for free-form notes and a hard copy address book can be generated. The program has standard reports, as well as a report generator. Prospector is ideal for area prospect farming. Detailed information on properties and subdivisions is also kept. Future enhancements will include contracts pending, commission earned and projected commissions, as well as agent expenses and agent goal setting.
$395 retail
$550 retail; with word processor
Entry Ez Software; 79 Cedar Cir.; Durango, CO 81301; 303-247-4516 (phone/fax)

■ Real Estate
Real estate listing management
Macintosh Plus or larger (68030 processor recommended); 2 MB of RAM; System 6.0 or later (System 7.1 recommended); hard disk drive.

Real Estate keeps track of all listings, agents and sales. Complete listing information, including up to two pictures (such as front and back views) can be entered either as scanned photographs or video digitized images. Real Estate is two files that provide a fast and powerful tool for Real Estate business. The Agent Lookup File contains information on all agents and agents that do business with the user. A unique Agent ID is assigned when entered, and all required information about that agent is entered automatically. The Real Estate file is the main working file, each listing is a unique record that can be viewed, printed, edited or deleted. A special Find request will list only the records with the specific Find criteria the user requests. Sales and activity reports can be generated.
$99.95 retail
$5 retail; limited access demo
HPO Soft; 7812 W. Clayton Dr.; Phoenix, AZ 85033; 602-848-9758 or 602-849-5889 (fax)

Real Estate Analysis Model
Financial forecasting, analysis and valuation of real estate projects
Macintosh Plus or larger; Microsoft Excel or equivalent spreadsheet; printer recommended.

The Real Estate Financial Analysis Model system consists of four ready-to-use real estate analysis models on a 5-, 10-, 15- and 20-year basis. All the logic, equations and formats are provided. The user simply enters basic data and assumptions, and the models do the rest, including a complete valuation analysis of the real estate venture from eight different valuation methods, plus internal rate of return calculations. Discounted future earnings and discounted cash flow valuation methods are included with the valuation analysis. The following statements are generated automatically by each of the four models (based upon user input of assumptions and basic data): income statement (P&L), balance sheet (assets = liabilities + net worth), cash flow analysis, ratio analysis (about 60 ratios, including RMA ratios) and valuation analysis. These models were designed for use by both real estate developers and investors of income properties. The models can be easily customized for various types of real estate projects: single-family units, multiple-family units, apartments, condos, office buildings, commercial, industrial or any combination of the above. These models also analyze debt and equity financing of any real estate investment project, including profitability and growth analyses, as well as cash flow break-even, etc.
$595 suggested retail (Special $399); includes full technical support
ILAR Systems, Inc.; 334 Baywood Dr.; Newport Beach, CA 92660; 714-759-8987, 714-640-2985, 800-777-4920, 714-720-1530 (fax) or 714-640-7233 (fax)

Real Estate Connections
Prospecting, client follow-up, farming, time management, form letters and complete personal information management for real estate salespeople
Macintosh Classic II or larger; 2 MB of RAM (4 MB with System 7); hard disk drive.

For the real estate salesperson who wants a complete personal productivity system, Real Estate Connections combines two outstanding tools: Danny Goodman's Connections, a personal information manager that includes graphic calendaring (including group calendaring), to-do lists, telephone contact management and point-and-click data import/export; and RealData's special add-ons that make this package a real estate expert. With Real Estate Connections, users can keep extensive information on prospects, farm territories and properties. Pop-up dialogs allow users to set criteria for retrieving information. Users can then print reports, mailing labels or even personalized form letters for the selected list. A mortgage file allows users to store data on available loans, and the program uses this information to help users prequalify prospects for those loans. Users can also track the progress of a personal listing or plan out the events that will lead from a binder to a closing. Just enter data on the listing or closing progress screen and the information manager will keep track of all these dates and remind users of them automatically as part of the appointment calendar. The customizable telephone directory allows users to dial calls at the click of a mouse and to keep a detailed history of every telephone contact. Users can even schedule an automatic reminder to call again at a later date.
$395 retail; includes Danny Goodman's Connections from Concentrix Technology
$395 retail; Commercial Real Estate Connections
RealData, Inc.; 78 N. Main St.; South Norwalk, CT 06854; 203-857-4310, 800-899-6060 or 203-852-9083 (fax)

Real Estate Edge
Prospecting system
Macintosh Plus or larger; 4 MB of RAM; hard disk drive.

Real Estate Edge is a farming, marketing and client database system designed specifically for the real estate industry. It easily handles prospecting through mass mailings of high-quality letters. Features include: maintains an organized and easy-to-use contact database; creates high-quality, personalized mail pieces; prints envelopes, labels and postcards instantly; prints a series of contact and property reports; automatically creates a record of all mailings sent; and dials the telephone and enables users to create a record of the conversation.
$395 retail
Business Edge; 20250 Acacia St., Ste. 160; Santa Ana Heights, CA 92707; 800-386-3343 or 714-476-7551 (fax)

Real Estate Investment Analysis Version 8.0
Income-property investment analysis
Macintosh Plus or larger; Microsoft Excel 4.0 or later.

Real Estate Investment Analysis produces a comprehensive 10-year projection for any type of residential or commercial income property. With it, the user can construct anything from a simple and straightforward analysis to a highly-sophisticated investment scenario. An income summary allows the user to enter revenue on a lease-by-lease basis, with projected escalations, pass-throughs, commission cost and more. Information from this section is passed on to an Annual Property Operating Data Module, where the user can then project individual expenses. In its third section, the program produces a complete cash flow, tax and re-sale analysis, allowing the user to enter assumptions about the purchase, financing, taxes, operation, etc., and use this information to project the before- and after-tax benefits of ownership and resale. Among the factors that can be considered are purchase price; adjustable or fixed-rate financing; capital improvements; vacancy and credit loss; amortization of loan points, fees and closing costs; reserves against negative cash flows; future refinancing of the property; and much more. The program calculates numerous measures of investment quality, including IRR, MFMRR, NPV, cap rate, debt coverage ratio and cash-on-cash return. It even compares the property's return to that of a fixed-rate investment, such as a Treasury Bill. Reports include detailed analysis, summarizing the most important aspects of the analysis and exhibiting them in a concise, uncluttered and professional format. The Excel version of this product is shipped as an Excel "workbook" with custom menus and buttons, making it exceptionally easy to use. It is available for the Macintosh using Microsoft Excel 4.0 or later; for Windows using Microsoft Excel 4.0 or later or Lotus 1-2-3 r4; and for MS-DOS using 1-2-3 2.01 or later.
$295 retail
RealData, Inc.; 78 N. Main St.; South Norwalk, CT 06854; 203-857-4310, 800-899-6060 or 203-852-9083 (fax)

Real Estate Partnership Plus
Income property analysis
Macintosh Plus or larger; Microsoft Excel.

Real Estate Partnership Plus is a 10-year income property analysis designed for investments structured as limited or general partnerships. It performs a complete before-tax property analysis, detailing income, expenses, financing, cash flows, reserves, improvements and potential resale. It also allows users to allocate individual percentages of cash flow, taxable income and profit from sale to the limited and general partners, as well as a preferential return to the limited partners. The program then produces a capital account analysis for the general and limited partners, showing their investment, cash flow, taxable income and ultimate profit, all on a year-by-year basis. Finally, it produces a straightforward property overview and partner's overview, suitable for presentation to a potential investor. The program includes a powerful statistical model for the projection of future income and

These Products Available Through Bottom Line Distribution
1-800-347-1923

expenses of a particular property. It also provides a new advanced lease analysis capable of handling percentage or fixed escalations, tenant concessions and percentage rents.
$295 retail
RealData, Inc.; 78 N. Main St.; South Norwalk, CT 06854; 203-857-4310, 800-899-6060 or 203-852-9083 (fax)

RealScan System III
Real estate market information system
Macintosh Plus or larger; 45 MB hard disk drive per county; CD-ROM drive.

RealScan is a real estate market information system that allows access to millions of property information records for major metropolitan areas in South Florida. Using a Macintosh and a CD-ROM disc drive, the system provides instant access to accurate and comprehensive information about ownership, addresses, prices paid for properties, mortgage amounts, assessed values, real estate taxes and legal descriptions of property boundaries, as well as detailed information about buildings and features, including bedrooms, bathrooms, living square feet, pools, patios, tennis courts and other amenities that affect property values. Commercial property features, such as loading docks, elevators and sprinkler systems, are also displayed. The system provides absolute control over how to search for properties and what information is displayed, including calculated fields to analyze data.
$500 retail; software licensing fee
$495 retail; per county
$360 per month retail; for weekly sales and mortgage updates
$275 retail; monthly updates
LaserScan Systems, Inc.; 5310 NW 33rd Ave., Ste. 115; Ft. Lauderdale, FL 33309; 305-777-1300 or 305-739-7845 (fax)

Realty Art
Broker/agent templates
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later; Microsoft Works 3.0 or ClarisWorks 1.0.

Realty Art is broker/agent templates for use with Microsoft Works or ClarisWorks. There are two versions, one for each Works-type program. These templates are ready to use and can be customized to suit the individual needs of real estate professionals. A complete real estate professional software desktop publishing solution, this product has 15 templates that cover all aspects of real estate brokerage activities. Some of the page layouts included are Just Listed Flyers, Just Sold Flyers, Open House Set-Up Form, Post Cards and four-page Estate Brochure. Headline clip art is included to further customize the flyers and post cards. A comprehensive user guide is included.
$79 retail
WorksWare; 8031 Broadleaf Ave., Ste. 100; Van Nuys, CA 91402; 818-989-2298 or 818-994-3550 (fax)

Realty Works
Broker/agent templates
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later; Microsoft Works 3.0 or ClarisWorks 1.0.

Realty Works is a complete real estate professional software solution. This product has 45 templates that cover all aspects of real estate brokerage activities. The templates are ready to use and can be customized by users. Some of the features included are property prospecting, form letter library, listing tracking, buyer tracking, CMA form, seller's net proceeds, buyer costs, buyer qualification, loan analysis (FXD and ADJ), financial analysis, financial calculators, goal setting, quick MLS access (with a modem) and more. A user guide is included.
$149 retail
WorksWare; 8031 Broadleaf Ave., Ste. 100; Van Nuys, CA 91402; 818-989-2298 or 818-994-3550 (fax)

REMS Property Manager 500
Property management
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.8 or later.

The Property Manager 500 is a comprehensive property management system that provides complete accounting, check writing, budgeting and tenant/member tracking. It maintains detailed records of cash receipts, disbursements, payables and tenant receivables for a complete audit trail. It provides more than 70 comprehensive and timely financial management reports. It can record up to 40 items of information on tenants and creates professional form letters. Users can keep track of maintenance requests, work orders in progress and maintenance history. The program automatically performs trust accounting for users and keeps track of each property balance. The program does not require an extensive knowledge of computers or book keeping.
$595 retail
Good Software Corp.; 4125 Keller Springs, Ste. 156; Dallas, TX 75244; 214-713-6370 or 214-713-6308 (fax)

■ Renter
Real estate rental management
Macintosh Plus or larger (68030 processor recommended); 2 MB of RAM; System 6.0 or later (System 7.1 recommended); hard disk drive.

Renter is used by businesses that manage apartments, houses for rent or housing projects. Renter has two files: Renter Database and Renter Report. Renter Database is used to store information about the tenant. Current tenant and vacancy summary reports can be generated. Renter Report looks up information from Renter Database and is used to enter tenant rent payments. Monthly and yearly summary reports can be generated.
$49.95 retail
HPO Soft; 7812 W. Clayton Dr.; Phoenix, AZ 85033; 602-848-9758 or 602-849-5889 (fax)

Residential Real Estate Tools
Sales tools for residential real estate agents
Macintosh Plus or larger; ClarisWorks; Microsoft Works; or Microsoft Excel/ Aldus PageMaker combined.

Designed for the sales professional, Residential Real Estate Tools offers more than three dozen solutions: spreadsheets, sales letters, forms, newsletters and mailing pieces. Among the spreadsheets are a Competitive Market Analysis, Buyer's Estimate of Closing Costs, Seller's Estimate of Sale Proceeds, Rent vs. Buy decision model, Mortgage Payment Calculator, Amortization Schedule and others. Also included is a sophisticated goal-setting model that helps users plan and track, on a month-by-month basis, the various critical activity levels they must achieve to reach their commission income objective. The package provides 16 sales letters that can be customized to a user's needs, covering such topics as CMA offer, FSBO follow-up, anniversary of purchase and more. Other mailing pieces include newsletters, a listing flyer and several postcard layouts, all of which can be customized. Each item is designed to serve a useful function, while at the same time helping users convey their professionalism to clients and customers.
$195 retail
RealData, Inc.; 78 N. Main St.; South Norwalk, CT 06854; 203-857-4310, 800-899-6060 or 203-852-9083 (fax)

REsource
Manages property information and real estate market data
Macintosh Plus or larger; 2.5 MB of RAM; hard disk drive.

REsource multiplies the productivity of commercial real estate professionals through complete management of property information and real estate market data, along with contacts and follow ups. It combines powerful contact management with comprehensive real estate know-how. Users can match available or comparable properties to the needs of clients; print REsource reports or user-defined report formats; prepare rent rolls, market analysis and market absorption reports; store and print floor plans, brochures and maps; and maintain transaction history on properties. The program provides complete and comprehensive client/owner/broker contact support with a tickler file, letter writer and contact history. Tenants, investors, property managers — as people, companies and organizations — all fit into REsource smoothly. Users are notified of follow-up tasks, appointments, option dates and recurring events. With REsource, users have the tools to gather solid properties data, maintain great client contact and market their knowledge professionally.
$795 retail
$40 retail; demo
Zicon Software Corp.; 16580 Maple Cir.; Lake Oswego, OR 97034; 503-635-9622

SMILE System
Interactive color image database for real estate brokerages
Macintosh IIsi or larger; 5 MB of RAM; 60 MB of free hard disk space; 13-inch RGB monitor; CD-ROM drive.

SMILE is an acronym for System of Multiple-Colored Images for Internationally Listed Estates, Inc. With the SMILE System, homes and other real properties — regardless of where in the world they are located — can be listed and viewed without leaving the broker's office. Using Macintosh computers and software proprietary to SMILE, SMILE offers brokers access to up-to-date information on properties for sale, lease or rent worldwide, and accompanies that information with beautiful color images of every one of those properties. Features include: open-ended multimedia technology allows easy integration of new features, such as motion video and Kodak Photo CD access; photos can be displayed at maximum resolution available on a user's system, up to 24-bit, photorealistic color; is distributed on CD-ROM; discs hold up to 6,000 listings, each with six pictures (no connect-time charges as with dial-up systems); users can search by location (using maps), price, rooms, lot size and more; and agents can print brochures of any SMILE property on demand.
$100 per listing retail
SMILE, Inc.; 54 Richmond Hill Rd.; Greenwich, CT 06831; 203-622-1448 or 203-661-2331 (fax)

■ Soffice Realty
Real estate software
Macintosh Plus or larger; 2 MB of RAM; System 7.0 or later; hard disk drive recommended.

Soffice Realty is real estate software that is a full-featured, high capacity, dependable and easy-to-use system that handles almost all aspects of the real estate brokerage. Users may be novice with computers, but will still find using the software a breeze; context-sensitive Help is pervasive. It improves the speed of handling and tracking listings, escrows, clients, properties, contacts, advertisements, messages, correspondences, notes, drawings, financial analysis and accounting. These increase sales, efficiency, accuracy, provide fast retrieval of records and reduce operating costs. Computerized handling of clients' needs will project an efficient and professional image. Soffice Realty extends reach, mind, time, voice and income.
$595 retail
Go Technology, Inc.; 2 E. Valley Blvd., Bldg. #1B-164; Alhambra, CA 91801; 818-281-9409 or 818-308-3126 (fax)

SpaceManager II
Graphic real estate database
Macintosh IIci or larger; 8 MB of RAM; 80 MB hard disk drive.

SpaceManager II is a graphic database developed for commercial real estate brokers, property managers, developers, appraisers and corporate real estate departments. It provides more than 200 fields of data on each property and links that data to color photographs, maps, floorplans and siteplans of the property. SpaceManager II also tracks tenant information and tickler files, sends automated letters, keeps meeting notes and provides a to-do list and address book. The program is designed for non-technical executives and is operated simply by

clicking on buttons with the mouse. It links to CADD to ease planning design.
$495 retail
$10 retail; demo
Sheer Bravado! Software, Inc.; 4701 (R) Keswick Rd.; Baltimore, MD 21210; 410-243-1004 or 410-243-1057 (fax)

Spreadware Real Estate Investment Analyzer
Analyzes real estate investments
Macintosh Plus or larger; Microsoft Excel.

Spreadware Real Estate Investment Analyzer helps users make sound real estate investment decisions by providing a detailed analysis. Information provided includes total profit, investment rate of return, cash flows and many more calculations that investors need to know. Because the program is spreadsheet based, variables can be easily and quickly changed to perform what-if scenarios.
$79 retail
Spreadware; PO Box 4552; Palm Desert, CA 92261; 619-347-2365 or 619-347-6045 (fax)

Tenant Pro
Property management
Macintosh Plus or larger; 4 MB of RAM.

Using Tenant Pro will streamline a user's daily and monthly routines. It will provide users and their owners with timely management and financial reports. All Tenant Pro products use the friendly Macintosh or Windows interface. The graphical, logical data entry screens make a user's transition to Tenant Pro quick and easy. Tenant Pro utilizes a fully integrated accounting system. This system dramatically reduces time spent on accounting functions. Tenant Pro includes General Ledger, Accounts Payable, Accounts Receivable, Check Writing and Budgeting. Each property can be set up on a cash or accrual basis and can have a calendar or fiscal year of its own. More than 80 product reports are available, including Operating Statement, Balance Sheet, General Ledger, Owner Statements, Trial Balance, Work Orders in Progress, Lease Expirations, Rent Rolls, NSF Checks, Late Notice, Budget Summary, Vacancy Loss, Detailed Unit Features, Check Register, Rent Increases and Custom Report Generator.
$295 to $1,995 retail; price depends on number of units and network options
Free demo disk available
Actoris Software Corp.; 1100 Centennial Blvd., Ste. 248; Richardson, TX 75081; 214-231-7588, 800-964-2792 or 214-231-6290 (fax)
FAX©NDEMAND 1-800-872-3293 **189**

Transoft Property Manager
Property management
Macintosh Plus or larger; 4 MB of RAM; hard disk drive.

The Property Manager is a property management system designed to handle the record keeping aspects of multiple properties. It manages investment properties, including houses, apartments and small commercial properties. Features include: tracks rental income, expenses and deposits; computes rental charges automatically; incorporates late fees and distributes common area maintenance charges; allocates payments and receipts to multiple accounts on a single screen; searches for past transactions by any criteria; integrated word processing for mail merge to tenants, vendors and owners (preconfigured to print envelopes and labels); and prints checks supporting a variety of check formats.
$495 retail; Basic
$995 retail; Deluxe
Business Edge; 20250 Acacia St., Ste. 160; Santa Ana Heights, CA 92707; 800-386-3343 or 714-476-7551 (fax)

Vertical Markets/Religion

Church Data Master Plus
Allows large or small local congregations to maintain membership, financial and pastoral records
Macintosh Plus or larger; hard disk drive.

Church Data Master Plus (CDM+) allows large or small local congregations to maintain membership, financial, pastoral records and more. More than 80 reports are available. The program tracks membership (addresses, church groups, committees, attendance, visitors, etc.); accounting (daily ledger entries, accounts payable, check writing, bank deposit reports, chart of accounts, fund accounting, etc.); payroll (employee information, payroll and W2s, accrued taxes, etc.); contributions (memorial gifts given and used, offerings, weekly and year-end statistics on offerings, etc.); pastoral records (worship scriptures, resources, sermons, themes and staff responsibilities, Sunday planning reference and guide, pastoral visits, etc.); and tape ministry (cassette labels, cross-referenced library lists, mailing labels).
$295 retail; Membership, Visitor Records, Tape Ministry
$295 retail; Contributions, Worship Statistics, Memorial Gifts
$295 retail; Fund Accounting, Payroll
$795 retail; Single User (all modules integrated)
$995 retail; Multiuser (up to three users)
$1,395 retail; Multiuser (four to 10 users)
Computer Helper Publishing; 5898 Cleveland Ave.; Columbus, OH 43231; 800-533-5227 or 614-895-0176 (fax)

The Church Office
Church management
Macintosh Plus or larger; hard disk drive.

The Church Office (TCO) is a powerful church management tool specifically designed for easy use and minimal training. TCO contains many on-screen graphics and easily recognizable symbols. A Record File stores basic family information, along with personal information, such as dates, volunteer work, committees and church school activities. A Contributions file records up to three giving accounts and unlimited special gifts for both adult's and children's envelope number. A streamlined weekly entry procedure makes updating quick and simple. Quarterly statements are automatic with individual pledge amounts recorded on each card. An Attendance and Rolo Card file are automatically generated, and online help files are readily available. Users have their own password and access levels are assigned to restrict users to view/change selected files. TCO can be linked to a word processor and graphics program. More than 35 ready-to-run reports include mailing labels, volunteer lists, directory listing, contribution summaries and more. Mail merge for form letters is available. Custom reports and file conversion from an existing database are available. Full support is provided by tlc Software.
$395 retail
$20 retail; demo (deductible from program price)
tlc Software; PO Box 232; Osseo, MN 55369; 612-424-5798

Church Stewardship Program
Keeps track of various member information
Macintosh 512K or larger.

The Church Stewardship Program is designed to keep track of various member information, including name, address, phone number, spouse, children, date joined, birth date, Sunday school class, study groups, membership number, visitors and prospective members. Stewardship information tracked includes how much was donated to each fund. Printed reports include Rolodex cards, mailing labels, visitor list, member list, prospective member list and a combined list of visitors, members and prospective members.
$295 retail; single user with Omnis 3 Plus Runtime
$495 retail; multiuser (requires Multiuser Omnis 3 Plus)
H&D Leasing; PO Box 1137; Clovis, NM 88101; 505-762-4139 or 505-769-3711 (fax)

ChurchWorks
Church management
Macintosh Plus or larger; 20 MB hard disk drive; System 6.5 or later; ImageWriter II, PostScript laser or QuickDraw printer.

ChurchWorks is an integrated church management program that tracks attendees, visitors and groups and contains specialized features, such as abilities (e.g., "Who can sing in choir?") and user-defined fields. Attendance is done by clicking on names and reports show who has missed a specified number of times since a specified date. ChurchWorks features a complete double entry fund accounting system (General Ledger, Cash Disbursements), but it is so automatic that most users don't have to know their debits from their credits because it posts all activity to the accounts and writes the journals, automatically. It boasts a complete set of reports that often interpret the numbers for non-bookkeepers. It tracks giving, can analyze giving patterns and write tax letters any time during the year. ChurchWorks tries to catch users' mistakes and suggest corrections, has more than 600 report options and does not require the memorization of codes. Other features include graphing, passwords, limited in size only by disk size, single and multiuser, tutorial and reference manual, superb telephone support and StarSoft's willingness to add customized features. Upgrade of single user to the upcoming new release, ChurchWorks II, is free if purchased in 1993. Update includes a better Macintosh interface, color, payroll, pledges, built-in word processing, and it can run on both the Macintosh and Windows platforms, even on the same network.
$995 retail; single user
$5 retail; full demonstration version
StarSoft Technologies, Inc.; 1306 W. Bellwood Dr.; Spokane, WA 99218; 509-466-4800

Honor Roll
Ministry management
Macintosh Plus or larger; 4 MB of RAM (6 MB recommended for System 7); hard disk drive; System 6.0.5 or later.

Honor Roll is written in 4th Dimension — a fully relational, industrial strength, database manager for records of individuals and organizations, communication and reporting needs. It automatically coordinates individual and organizational data — alternate addresses, organizational affiliations, associations, donations and pledges. Custom fields enable tracking of unique data. Password protection restricts access according to work levels. Automatic reports, receipts, Rolodex, graphs, labels, merge data documents and user preferences make communication and reporting easy. Features include: mailing labels sorted by name or zip code; phone dialing (requires modem); extensive search and quick report functions which retrieve information to user specifications, export-import capabilities between associates and provision for international data. Layouts are practical with a few steps: intuitive, clearly organized and anticipating a user's moves and needs. Thoughtful details serve the real user environment, providing flexibility and shortcuts that save time and training. Customization provided at reasonable rates. Program is integrated with 4D Runtime and networks with Apple-Talk.
$395 retail
By The Numbers, Inc.; RR1, Box 75; Sutton, NH 03221; 603-927-4508 or 800-554-9116

Lexegete: Matthew, Mark & Luke
Lectionary sermon planning
Macintosh 512K or larger; MacWrite or Microsoft Word.

Lexegete is a three-disk collection of theological documents by 35 preachers and Bible scholars. Using a built-in Greek font, users are guided through 60 passages from the Gospel of Matthew, Mark and Luke. Clergy can use the program as the core of a continually growing library of scriptural study tools. Future volumes will cover the Gospels of John, as well as other New and Old Testament books.
$59.95 per volume retail
Tischrede Software; PO Box 79594; N. Dartmouth, MA 02747; 508-994-7907

MacShammes 4D
Synagogue management system
Macintosh SE or larger; hard disk drive.

MacShammes 4D is a complete, customized synagogue management system that can be used to maintain membership records, Yahrtzeit (Hebrew date of death) records, convert Hebrew to English dates, prepare mailing lists and do word processing in Hebrew, English or in a combination of both.
$1,495 retail; multiuser
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

Ministry Center
Automatic scheduling program for ministers
Macintosh LC or larger; 4 MB of RAM; hard disk drive; printer.

These Products Available Through Bottom Line Distribution
1-800-347-1923

Ministry Center is an integrated scheduler, database and desktop publisher customized and ready to use for ministry management. Users just tell the program about their ministers and liturgies. Ministry Center will generate a schedule for up to 13 weeks that considers service time preference and whether the minister will be available on that date. Plus, it will print all the support printouts users need for well-organized ministries. Ministry Center supports an unlimited number of ministries and ministers. It automatically prints phone directories and rosters to improve communication. After initial data entry, users can typically create a perfect 13-week schedule with only a half hour's work.
$179.95 retail
Horodko Studios; a Division of Horodko Sountrax, Inc.; 111 Vallejo St.; San Francisco, CA 94111; 415-956-8739, 800-234-5647 or 415-663-1422 (fax)

Roll Call
Church management
Macintosh Plus or larger; 4 MB of RAM (6 MB recommended for System 7); System 6.0.5 or later; hard disk drive.

Roll Call is a written in 4th Dimension — a fully relational database manager for personal records, communication and reporting needs. It automatically coordinates individual and family data — alternate address, differing names, significant dates, visitation history, confidential comments, activity or class involvements, attendance, pledges, envelope numbers and donations. Custom fields enable tracking of unique data. Password protection restricts access according to work levels. Automatic directories, rosters, reports, graphs, labels and merge data documents make communication and reporting easy. Features include: mailing labels sorted by name or zip code, phone dialing (requires modem) and extensive search and quick report capabilities which retrieve information to user specifications. The layouts are practical with few steps: intuitive, clearly organized, anticipating a user's moves and needs. Thoughtful details serve the real church environment, providing flexibility and shortcuts that save time and training. Program is integrated with 4D RunTime.
$345 retail; Roll Call 300 (restricted to 300 individual records)
$345 retail; unrestricted upgrades
$595 retail; Roll Call 2 (networks with AppleTalk)
$595 retail; Roll Call 3 (network requires use of 4D Server software)
$795 retail; Roll Call Plus
By The Numbers, Inc.; RR1, Box 75; Sutton, NH 03221; 603-927-4508 or 800-554-9116

Verse Search V5.2
Complete Old and New Testament Bible with programs for searching the text
Macintosh Plus or larger; 1 MB of RAM.

Verse Search is the entire text of the Bible with programs for searching the text instantly for any English words or phrases (using a built-in word list and Bible thesaurus), creating cross-references useful for personal study of the scriptures and printing any portion of the text. It is available in the King James version, New International versions, New King James version or Revised Standard version (with Apocrypha), New Revised Standard and The Living Bible.

Topics is a reference library of indexes to the Bible text for more than 200 of the most prominent scripture subjects. People is a reference library of indexes to the Bible text for more than 140 of the characters most prominently addressed in scripture. Personal Commentary is a feature of Verse Search that allows each users to add personal commentary to any verse in the Bible. The Greek Transliterator allows access to the text of the King James or New International New Testament with Strong's reference numbers assigned to the English words. The Hebrew Transliterator allows access to the text of the King James Old Testament with Strong's reference numbers assigned to the English words. Chain Reference allows Bible verses to be tied directly to any word within a verse. Verse Typist is a desk accessory that will automatically copy and paste Bible verses directly into a user's word processing document.
$99.95 retail; Verse Search (includes a Bible thesaurus and one translation of Bible text: King James Version, New International Version, Revised Standard Version with Apocrypha, New King James Version or New Revised Standard Version with Apocrypha and The Living Bible)
$49.95 each retail; Topics, People, Personal Commentary, Chain Reference, Verse Typist, Bible Dictionary, Bible Outlines
Free; Instant Access
$99.95 each retail; Greek Transliterator, Hebrew Transliterator
Bible Research Systems; 2013 Wells Branch Pkwy., #304; Austin, TX 78728; 512-251-7541, 800-423-1228 or 512-251-4401 (fax)

Vertical Markets/Restaurant Management

■ Cycle Menu Master
Menu planning program
Macintosh Plus or larger; FileMaker Pro runtime.

Cycle Menu Master is a menu planning program for any type of food service operation, whether large, small or multiunit. It offers a five or seven-day week cycle or cycles ranging from eight to 30 days and longer if desired. It is designed to save menu planning and preparation time, providing more freedom to analyze and plan better meals; simplifies purchasing and facilitates quantity purchasing by defining the menu pattern well in advance; eases employee scheduling problems; and improves forecasting because continuous experience over an extended period results in accumulated data on consumption and customer food preferences. Its flexibility allows up to 13 choices for each meal period, provides systematic utilization of leftovers and is equally adaptable for low client turnover operations like a cafeteria, which may want longer cycles.
$399 retail
Simplified; 642 E. Squirrel Tail Dr.; Tucson, AZ 85704; 602-797-2990 or 602-797-7865 (fax)

The Daily Bookkeeper
Daily bookkeeping for restaurants of any size
Macintosh Plus or larger; hard disk drive.

The Daily Bookkeeper is specifically for restaurant daily bookkeeping. It produces all the reporting restaurateurs need to accurately reconcile their daily cash. The program reports daily sales, cash paid outs, credit cards, bank deposits, as well as other cash and charge transactions. This information is then used to calculate the dollar over/short amount for the day. Additionally, the daily weather and other comments are reported, so restaurateurs can maintain a printed record showing the effect of weather or special events on daily business volume. Another benefit of the Daily Bookkeeper is the sales reporting for each day of the week, each week of the month and each month of the year, as well as the year-to-date. These sales reports are of enormous value and are automatically updated from the routine daily entries in the Daily Bookkeeper. For producing financial statements, the program reports month-to-date debit and credit postings for each General Ledger account. These General Ledger account distributions are itemized for audit review and totaled for easy posting to the General Ledger.
$695 retail
RestaurantComp; 5 Echo Pl.; Larkspur, CA 94939; 415-924-6300

ExecuChef
Master recipe file, inventory, vendor/client tracking, daily cash & sales and payables/receivables
Macintosh Classic or larger; 2 MB of RAM (4 MB for System 7); hard disk drive; System 6.0 or later.

ExecuChef is a collection of five integrated modules (Master Recipe File, Inventory, Vendor/Client Tracking, Daily Cash & Sales and Payables/Receivables) from which users may select desired features. Recipe Costing is based on current ingredient costs. Users can scale recipes and customize daily prep lists; generate shopping lists and organize equipment lists for special functions; and search recipes by more than 50 different categories or by a single ingredient. Inventory breaks down case costs into pack and unit costs. Users can create Daily Orders based on pre-established par stocks. Physical inventory auto-calculates product value on-hand. Users can sort by item, department, vendor or shelf number. Daily Cash & Sales supports up to eight register departments in five different formats (including department, shift and date) for any desired period. Payables/Receivables generates invoices linked to a client list. Users can disburse payments to up to seven different accounts.
$495 retail; single user
ExecuChef; 20 Sunnyside Ave., Ste. A-274; Mill Valley, CA 94941; 415-383-8540 or 415-383-8125 (fax)

Five Star *** 2.0**
Restaurant management/POS
Macintosh LC II or larger.

Five Star ***** Version 2.0 features improved print handling and reporting. Designed for full-service restaurants and dining rooms generating $10,000 per week or more in sales. Featuring unlimited capacity, it can handle the heaviest workload. The POS system is keyboardless. The waitstaff use a ticketless system, reducing theft. The system generates all sales and usage reports necessary for the day-to-day hands-on management of a restaurant, including food vendor orders and the taking of inventory. The program tracks employee hours and generates necessary information for payroll. It interfaces with most accounting software to pass information to a GL package. Program customization, on-site installation and training of waitstaff are available. The Basic Package includes software, two POS stations, a manager's workstation, cabling and four printers.
$9,995 retail; basic package
$3,995 retail; version 2.0
Lazarus Software, Inc.; 416 Sharp St.; Virginia Beach, VA 23452; 804-463-7073 or 804-622-2718 (fax)

■ Kitchen Keyboard
Cost control recipe program
Macintosh Plus or larger; FileMaker Pro runtime.

Kitchen Keyboard, which also incorporates an advanced Cycle Menu Master, is a computerized cost control recipe program designed for use by every type of food service business, including restaurants, caterers and such large-scale operations as schools, rest homes, hospitals and jails. It provides an up-to-date cost of every ingredient in each recipe, the unit cost of each meal regardless of the number of persons served, exact measuring and weighing of individual menu items to correlate with the number of meals served and a permanent record of the user's recipes with easy flexibility for any changes. Created jointly by a veteran food service expert and a computer specialist, KK helps managers keep within budgets by controlling food costs, eliminates slow and arduous manual costing, is especially useful for high-cost items whose prices fluctuate frequently and enhances profitability by providing precise, specific information on which to base forecasting.
$2,500 retail
Simplified; 642 E. Squirrel Tail Dr.; Tucson, AZ 85704; 602-797-2990 or 602-797-7865 (fax)

Maître d'
Comprehensive catering and event planning software
Macintosh II or larger (68040-based Macintosh recommended).

Maître d' is a comprehensive catering and event planning package. Detailed event proposals, comprehensive coordination reports, a complete set of prep lists, a user's personal recipe library and instantaneous recipe cost updates insure profits through accurate job costing. In addition, Maître d' includes comprehensive facilities information and scaled-to-order floor plan development, accounts receivable, personalized customer communication with built-in mail merge, multiple supplier pricing, inventory control and custom graphic menu design with multimedia graphic presentation. The event proposal is a complete customer presentation package. Coordination reports provide a list of everything needed for each event, including to-do notes and timelines. Prep lists include date range shopping lists for food, beverages, other products and rentals, as well as a services list. Recipe prep lists are scaled to order, insuring consistency. Recipes can be selected from a user's unlimited recipe library by type, nutrition information, ingredient, ethnic group or cost. Any menu can be stored and easily duplicated. Sales reports keep users abreast of how their business is doing at all times.
$2,595 retail; single user
$3,995 retail; multiuser (three users)
$395 each additional user

Updates and maintenance support for one year are included in the price
Maître d' Software; 103 Redwood Rd.; Fairfax, CA 94930; 415-459-5707 or 415-453-8288 (fax)

■ **Maître d' Restaurant Inventory Tracker**
Inventory control and purchasing module
Macintosh II or larger (68040 processor recommended).

Maître d' Restaurant Inventory Tracker is an add-on module for Maître d' Restaurateur, creating a complete inventory and purchasing system for food, beverage and non-food products. Users create purchase orders and generate detailed reports on suppliers, products, purchasing, receiving and inventory adjustments. Maître d' Restaurant Inventory Tracker also provides an integrated mail merge function for printing and faxing vendor correspondence and purchase orders. It includes updates and maintenance support for one year.
$495 retail; multiuser pricing available
Maître d' Software; 103 Redwood Rd.; Fairfax, CA 94930; 415-459-5707 or 415-453-8288 (fax)

■ **Maître d' Restaurateur**
Food costing and menu design
Macintosh II or larger (68040 processor recommended).

Maître d' Restaurateur allows users to gain control of their recipe costs through accurate food costing based on the most current prices available for vendors. When users enter a price change of an ingredient found in any number of recipes, all the related recipes will automatically reflect the new cost. Recipes can be viewed by type, ingredient, ethnic origin and nutritional data; and users can forecast all food needs based on past sales to produce complete kitchen prep lists and shopping lists. Products and suppliers reports can be easily generated, keeping users well informed. Food sales summary reports identify which foods and recipes sold the most and generate the most profit for any given date range. Users can create and store an unlimited number of professional menus. Menus can be custom designed and printed in black and white or full color.
$695 retail
Maître d' Software; 103 Redwood Rd.; Fairfax, CA 94930; 415-459-5707 or 415-453-8288 (fax)

■ **Maître d' Restaurateur Caterer**
Complete event coordination and catering sales tracking module
Macintosh II or larger (68040 processor recommended).

Maître d' Restaurateur Caterer is designed for the full service restaurant and catering business. The program tracks all food/recipe and non-food costs for on-premises catering events. Users can generate good-looking personalized proposals as they select recipes and products that make up each event. Proposal packets consist of cover page, cover letter, menu, line item listings and price sheet. In addition, creating a proposal generates a complete set of comprehensive event coordination reports, date range prep and to-do lists. Proposals may be stored as master menus and used again, making proposal writing as simple as a click of a button. Maître d' Restaurateur Caterer also provides scaled recipe cards for kitchen prep, historical customer information on events and revenues and integrated customer mail merge.
$795 retail
Maître d' Software; 103 Redwood Rd.; Fairfax, CA 94930; 415-459-5707 or 415-453-8288 (fax)

Restaurant Manager
Complete back office restaurant system
Macintosh Classic II 4/80 or larger; System 7.1 or later.

This complete back office system for restaurants handles restaurant inventory; product and menu item analysis; POS integration and daily sales; accounts payable; accounts receivable; and general ledger.
$1,195 and up retail; depends on modules chosen
RWS Restaurant Services; 4300 Promenade Way, Ste. 220; Marina del Rey, CA 90292; 310-822-8820 or 310-822-7909 (fax)

RestaurantComp
Restaurant Management
Macintosh Plus or larger; hard disk drive.

The Food & Beverage Inventory, Recipe Profit Analyzer, Sales & Food Cost Analyzer and 13 Period History are four programs for controlling food costs. The Food & Beverage Inventory can stand alone or be integrated with the Recipe Profit Analyzer and the Sales & Food Cost Analyzer programs. The Inventory program handles food, beverage, beer, wine, liquor and supplies. It organizes, calculates and writes inventory reports; and totals inventory quantities and calculates inventory usage and values. The Recipe Profit Analyzer, which shows how ingredient prices affect recipe costs and profits, works with the Food & Beverage Inventory program. The program can be used to control recipe costs or to profitably plan new menus. Sales & Food Cost Analyzer works along with the Food & Beverage Inventory and Recipe Profit Analyzer programs. The program uses the sales quantity of each menu item to calculate profit contribution and theoretical food cost. 13 Period Inventory/Food Cost/Sales History tracks past inventory, food costs and sales.
$1,195 retail; Food & Beverage Inventory
$495 retail; Recipe Profit Analyzer
$195 retail; Sales & Food Cost Analyzer
$295 retail; 13 Period Inventory/Food Cost/Sales History
RestaurantComp; 5 Echo Pl.; Larkspur, CA 94939; 415-924-6300

■ **RMSplus**
Restaurant management
Macintosh Quadra 605 or larger; 4 MB of RAM; 40 MB hard disk drive.

RMSplus is a fully integrated restaurant management program. RMSplus consists of the following modules: inventory, general ledger, accounts receivable, accounts payable, payroll, menu management and purchase order. RMSplus keeps a detailed history of sales by menu item and automatically deducts inventory by ingredient. Financial statements can be generated on demand to get an up-to-the-minute analysis of a user's financial position. Purchase orders can be automatically created based on current inventory levels. Sales can be imported directly from NCR cash registers, which will automatically update inventory for increased productivity. Payroll checks, W2s, 1099s and accounts payable checks can be printed directly from RMSplus, eliminating the need to write checks manually. With the accounts receivable module, RMSplus is an ideal system for any catering business. RMSplus generates all standard accounting and management reports, such as accounts payable and receivable, aging, balance sheet, income statement, inventory usage and many others.
$2,495 retail
Signature Systems Inc.; 19000 Alpenglow Ln.; Brookeville, MD 20833; 301-924-4357 or 301-774-4260 (fax)

Vertical Markets/Retail

Antique/Art Dealer
Dealer management system for antique, art and antiquities professionals
Macintosh Classic II 4/80 or larger; System 7.1 or later.

Antique/Art Dealer is a system that manages three key needs of antique and art galleries: client history and interests; inventory tracking and consignment; and sales receipt and accounts receivable processing. All modules will be partially customized to fit a gallery's specific needs.
$1,275 per module retail
RWS Information Systems; 4300 Promenade Way, Ste. 220; Marina del Rey, CA 90292; 310-822-8820 or 310-822-7909 (fax)

Credit Card DB
Credit card processing and bank authorizations
Macintosh Classic or larger; Hayes or Hayes-compatible 300/1,200 baud modem or E.E.S. Companies' Multi-Port Unit.

Credit Card DB is a 4th Dimension compiled database that performs automated credit card processing, authorization and funds capture for credit card merchants. Credit Card DB eliminates a credit card terminal and could reduce seven- to 10-day float time to one day and bank percentage charges by 1 to 2 percent or more. The program maintains an audit log of credit card transactions that may be searched by credit card number, credit card holder's name and transaction type. Features include limited customer and inventory file storage, automatic credit card number and expiration date validation, single and batch transaction processing and main and alternate system access phone number dialing.
$599 retail
E.E.S. Companies, Inc.; 2 Vernon St., Ste. 404; Framingham, MA 01701; 508-653-6911 or 508-650-1872 (fax)

DB:$ Retailer's Advantage
Multiuser, multistore point-of-sale system
Macintosh Classic or larger; hard disk drive.

DB:$ Retailer's Advantage transfigures a Macintosh into a point-of-sale (POS) system for one or more stores and can link them all together. It is designed for the retailer who wants to take the complexity out of store management. It manages inventory, writes purchase orders, receives merchandise by purchase order, display six levels of quantity or price breaks, sell "bundles" and track serial numbered inventory items. It includes mail list and marketing capabilities. Accounting information links to third-party accounting systems. Many pre-defined reports with full access to data is available through an optional report winter. StoreCom is used to transmit information between stores (optional). Cash drawers, 40-column printers and bar-code readers are available and supported.
$1,795 retail; single user, single store
$3,495 retail; multiuser (1st five stations)
DB:Solutions, Inc.; 929 Sir Francis Drake Blvd., Ste. C-238; Kentfield, CA 94904; 415-461-9500, 800-888-2640 or 415-461-9501 (fax)

DB:$ Retailer's Edge
Mulituser point-of-sale system
Macintosh Classic or larger; hard disk drive.

DB:$ Retailer's Edge transfigures a Macintosh into a point-of-sale (POS) system. It is designed for the retailer who wants the power of the DB:$ Retailer's Advantage but in a "lite" version with the robust capabilities to place items on order, provide estimates or quotes and much more. It places items in "sale" (mark downs) and will quote individual pricing. It manages inventory, writes purchase orders and receives merchandise by PO. Customer balances are maintained for the purpose of layaways and customer convenience. Many pre-defined reports with full access to data are available through an optional report writer. Cash drawers, 40-column printers and bar-code readers are available and supported.
$385 retail; single user
$995 retail; server software
$295 retail; each user
$695 retail; report writer
DB:Solutions, Inc.; 929 Sir Francis Drake Blvd., Ste. C-238; Kentfield, CA 94904; 415-461-9500, 800-888-2640 or 415-461-9501 (fax)

Inventory
Assemblies, sub-assemblies and parts
Macintosh 512K or larger.

This inventory system is based on three categories: assemblies, sub-assemblies and parts. A parts list or bill of materials is kept for each sub-assembly. When a part or a sub-assembly moves into a "work in progress" state, the parts inventory is automatically adjusted. The parts inventory is managed by finding the optimum reorder level, and a signal is given when that level is reached. The program is suitable for the inventory management of a small manufacturing or merchandising company. The program has modules that keep track of the orders and sales. When parts are received, the inventory is automatically updated. Similarly, when something is sold, the appropriate item(s) is removed

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1-800-347-1923

from inventory. All updates are dated, showing dates of the present update and of the last previous update. This program allows users to keep track of what is going on, hour by hour, where things are, where they are coming from and where they are going. It is a simple common sense aid to efficient business practice.
$145 retail
Lionheart Press, Inc.; PO Box 20756; Mesa, AZ 85277; 602-396-0899, 514-526-7877 or 602-396-0932 (fax)

InventoryPro FM 3.1v2
Inventory solution for manufacturing and retail
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; FileMaker Pro 2.x; System 6.0.5 or later.

InventoryPro offers users a complete inventory solution for both manufacturing and retail with the ability to perform POS. With the Service module, anyone who uses or is in a service-related industry has the ability to create and track the status of service work orders and service history by job, client or product. InventoryPro consists of 14 interworking modules (with four optional modules, ServPro for service, GarMan for the garment industry, PayPro employee management software with a full-featured payroll program and SmartCard, the intelligent weekly time card). Import and export features allow InventoryPro FM to work with many accounting and spreadsheet packages. There are three levels of password-protected operations covering data entry, deletions and corrections and full program restructuring. The 14 standard modules are: Order Entry, Quotes, Invoicing, Customers, Inventory Data, Purchase Orders, Receivers, Suppliers, Requisitions, Shipping Log (or Manifest), Transporter, Petty Cash, ProjectPro and Service Orders.
$169 retail; InventoryPro FM
$199 retail; ServPro FM
$199 retail; GarMan FM
$99 retail; PayPro FM
$69 retail; SmartCard FM
ProSoft-Mein Corp.; 1490 S. Vineyard Ave., Ste. C; Ontario, CA 91761; 909-930-5291, 800-377-6738 or 909-930-5291 (fax)

Mac Business Engine
Integrated business operations management system
Macintosh SE with accelerator or Mac II family; 1 MB of RAM; hard disk drive; Double Helix 3.0.

Mac Business Engine is a complete integrated business management package that can be used as is, or as the basic skeleton for expansion into a complex business operations management system. The base system contains data relations for Customers, Vendors, Products, Parts, Sales Orders and Purchase Orders. The Parts relation incorporates a bill of material to update parent product costs and can be expanded to do multi-level inventory control. The customer file is set up to handle unlimited ship-to addresses. Both sales and purchase orders will handle multiple line items and any line item can reference a product on file for inventory control or be entered manually. The system handles inventory control for On Order, Stock on Hand and Allocated amounts. Extensive sales analysis reports and order history analysis are included (customer by product, product by customer and the same by ship-to location). A label making module is also included.
$695 retail; Base System, including source code
Macintosh Business Systems, Inc.; 3 Country Ln.; Mamaroneck, NY 10543; 914-698-7215

Mac-POS 6.3
Inventory control software
Macintosh Plus or larger; hard disk drive.

Mac-POS is designed for retail, wholesale or manufacturing businesses who require inventory control. Designed for minimal training time and ease of use, it provides seamless integration for order entry, inventory control, order tracking, bar-code interfacing, purchasing and reporting in one application. Key features include: fast item look-up, fast printing and order completion. Great flexibility allows setup for most any business. Other features include: cash drawer control, touch screen interface, employee security, automatic purchasing, bill of materials, kits, service information tracking, serial numbers and more. It is available for single, multiuser operation and multiple locations.
$395 and up retail
$69 retail; trial version
Demo disk is available
Simply Outstanding Software; 944 Weber Ln.; Erie, PA 16509; 814-864-2623 or 814-459-0217

MacAuthorize
Authorizes credit card transactions
Macintosh Plus or larger; asynchronous modem.

MacAuthorize authorizes credit card transactions using bank card credit networks. Transactions may be authorized on an individual basis or "batched" and authorized all at once, depending on the authorization agency the merchant uses. Transactions are stored in batches on the Macintosh and may be reviewed, printed, imported, exported and manipulated with the same ease of use expected from a Macintosh application. MacAuthorize uses an asynchronous modem to call an authorization agency to obtain the credit authorization. The application is designed to access most major credit authorization networks. (Note: arrangements with a credit authorization agency are not provided with the product.) MacAuthorize handles all major credit, travel and entertainment cards, as well as other credit cards, including private label cards. It can also process Check Guarantee (MICR and driver's license). A complete transaction set is available, including sale, credit, void, post authorizations, daily draft settlement, etc. Other features include instant batch or daily totals, flexible Draft Capture options, extensive online help and security features to prevent unauthorized transactions by merchant personnel.
$315 to $395 retail; price depends on authorization agency used
Tellan Software, Inc.; 3286 Knightswood Way; San Jose, CA 95148; 408-274-1110 or 800-483-5526

MacDealer
Instore manager and product demo
Macintosh with 68030 processor or larger; 8 MB of RAM; System 6.0 or later (System 7.x recommended); dedicated server for network use.

MacDealer is a retail point-of-sale application developed specifically for Macintosh computer resellers. As a management tool, MacDealer will use sales information to produce invoices, picking lists, purchase orders and service contracts (including AppleCare). It even uploads AppleLink dealer price lists automatically and posts changes directly to all product records, while scrupulously keeping the inventory up to date. It will store a scanned picture of the item so customers can view not only product information but their pictures as well. As a customer relations device, a "client" set up in the customer display area gives customers something to "play with" that will catalog them and their interests in the database. As a sales follow-up tool, MacDealer's ability to sort out leads by anything from salesperson to customer interest area supports sales efforts by responding instantly to opportunities. When a new item comes in, users can quickly and easily trigger interest-targeted follow-up letters and labels required for running successful promotions.
$595 retail
$179 retail; each additional user (minimum two)
Synergy Marketing Communications, Inc.; 11 Joseph Ct., Ste. 213; Syosset, NY 11791; 516-935-9151 (phone/fax)

MacRegister
Point of sale, order entry, accounting and inventory control database management system
Macintosh Plus or larger; 1 MB of RAM; 20 MB hard disk drive; printer.

MacRegister is a fully integrated point of sale, accounting and inventory control database management system for use by wholesale or retail sales and service businesses. Features include: point of sale functions; accounts receivable and customer functions; purchasing, accounts payable and vendor functions; inventory control functions; control functions (end-of-period and end-of-day updates, system setup parameters, employee information and mailing labels); general ledger functions; more than 80 reports; and more. An optional bar-code reader and an optional cash drawer may also be attached.
$999 retail; single user
$1,500 retail; multiuser
A. B. Computers; 36 Second St.; San Francisco, CA 94105; 415-495-7404 or 415-495-7405 (fax)

MacTileManager
Retail point-of-sale, accounting and inventory
Macintosh with 68030 processor or larger; 8 MB of RAM; System 6.0 or later (System 7.x recommended); dedicated server for network use.

MacTileManager is a retail point-of-sale application developed specifically for users in the floor- and wall-covering business. Comprehensive inventory management features include automatic conversion of Metric and English quantity units into square foot, per piece and per carton pricing and inventory quantities. A bar-code scanner may be used at the point of sale to input item codes. It prints product labels with bar codes to be affixed to items on display. PAR values trigger automatic generation of purchase orders to raise stock quantities to PAR or greater levels at the point of sale. Customer invoices automatically generate aged A/R schedules. Full and partial payments, as well as credit memos, update A/R in the background. The program also provides up-to-the-minute customer statements, sales journals, inventory and receiving reports, mailing lists and labels.
$595 retail; single user
$179 retail; each additional user
Synergy Marketing Communications, Inc.; 11 Joseph Ct., Ste. 213; Syosset, NY 11791; 516-935-9151 (phone/fax)

Mail Order & Business Control III (MOC3)
Mail order and business management
Macintosh Plus or larger.

Mail Order & Business Control III is designed for small business and individuals operating a mail order-type business. One person can operate and control the entire business. The MOC3 program provides an interactive tool for operating a user's business. MOC3 features a real-time "clairvoyance" feature that instantly looks up description and price data from a product catalog. MOC3 includes the templates for both the price list and product catalog. The products catalog contains all items for sale, which includes a brief description, sale price and a "Full Color" picture option. This catalog can be updated by a user or MOC3 will create a catalog from invoice entries. The catalog can be updated at any time. When a user enters customer names and the product descriptions, MOC3 looks up the data from the catalog and fills in the balance of the data while a user types. This is the "clairvoyance" feature that provides the automatic look up and insertion of price, description, customer name and address data. If MOC3 finds a match with any of the items, it fills in the rest of the data entry for a user, saving valuable time as orders are entered. Product inventory and dollar value of stock on hand is automatically updated as orders are entered. Customer billing, statements and 30-, 60-, 90-day invoice aging and all sales information is available. Invoices that include backordered items can be located and viewed as required. MOC3 also provides tools for bulk mailing and retrieval of any data for use within forms or letters. User-constructed form letters with specific data from the MOC3 database can be constructed for customer updates or mailers. MOC3 is customized before shipping with company address, logo and signature, or these items can be entered by end users.
$395 retail; includes Panorama Direct database, manuals
Engineering Consulting; 583 Candlewood St.; Brea, CA 92621; 714-671-2009 or 714-255-9984 (fax)

Marketech Easy Retailing V3.0
Point-of-sale inventory control system
Macintosh Plus or larger; hard disk drive; printer.

Marketech Easy Retailing is a point-of-sale inventory control system for independent specialty retailers with one to 10 stores doing $150,000 to more than $100,000,000 in sales. Features include: up to 160,000 models/styles; tracks color/size; one- to four-digit SKUs; bar coding; prints price tickets, receipts, purchase orders and reports; more than 65 reports, including inventory, open-to-buy, price and margin maintenance, best sellers/top profit contributors, color/size merchandising, daily and salesperson; and more.
$3,999 retail
$25 retail; demo (applied to purchase of system)
Marketech, Inc.; 63 E. 90th St.; New York, NY 10128; 800-327-9737 or 212-427-5825

Merchant 4.0
Integrated book keeping software
Macintosh with 68040 processor or larger (Macintosh Centris 610 recommended); 4 MB of RAM; 10 MB of free hard disk space; laser printer.

Merchant is integrated book keeping software for order processing and invoicing, accounts receivable, purchasing and accounts payable and inventory control. Merchant is built on Helix Express. All purchasers have complete access to its internal workings, including the look of the forms, the layout of the reports and the logic of the program. When Merchant is installed, it can be extended or modified to conform to a user's requirements. When those requirements change next year, it can be modified again.
$1,000 retail
The Merchant Group; 2847 W. Palmer St.; Chicago, IL 60647; 312-227-7462, 800-500-7220 or 312-288-1239 (fax)

■ **Modafinity**
Retail catalog system
Macintosh Quadra; 16 MB of RAM.

ModaCAD's Modafinity is an interactive revolutionary retail catalog system that simulates manufacturers' furniture and other home furnishing items. Any item can be seen, including bedding, carpeting, interiors, flooring, etc., with realistic actual materials, including hard or soft surfaces. Furniture is upholstered with any variety of available fabrics and draped in 3-D detail. Failsafe order processing features may be networked to other order and inventory control systems. Search and retrieval locates merchandise with full availability, pricing and other options and supports bar-code input. Full media support for live-action video, sound and music is provided.
$4,000 to $6,000 retail
ModaCAD, Inc.; 1954 Cotner Ave.; Los Angeles, CA 90025; 310-312-6632 or 310-444-9577 (fax)

■ **Order Processing**
Processes telephone and catalog orders
Macintosh Plus or larger (68030 processor recommended); 2 MB of RAM; System 6.0 or later (System 7.1 recommended); hard disk drive.

Order processing is for businesses that accept primarily mail or telephone catalog orders. A Catalog Lookup file contains all catalog items with associated information, including a picture of the item. A Customer Lookup file keeps tabs on all customers and provides automatic data entry into the main program. An Employee Lookup file keeps tabs on employees and provides automatic data entry into the main program. An Order Processing file contains Daily, Weekly, Monthly and Yearly Summary Reports that can be generated and printed for Sales and Customer activity. Find selections allows listing of data records by set criteria. Users can select other sort sequences and can design a company header and add it to the letters and reports. A sample order form and return merchandise form can be printed, as well as invoices, pick lists, packing lists and shipping labels.
$149.95 retail
HPO Soft; 7812 W. Clayton Dr.; Phoenix, AZ 85033; 602-848-9758 or 602-849-5889 (fax)

P.I.M.S.
Professional inventory management system
Macintosh LC, II or larger; 8 MB of RAM; hard disk drive; System 7.0.1 or later.

P.I.M.S. is an advanced inventory/sales management system with P.O.S. that allows a company of any size to manipulate different inventories (both finished goods and materials, if necessary) to the fullest extent possible. It allows users to have unlimited searching, sorting, reporting/charting and updating capabilities. Major aspects of P.I.M.S. include: invoicing, quotations, sales orders, automatic promotional pricing, purchase orders, receiving records, bar-code reading/printing, customer files, employee files, full sales commission reports, product categorization, sales tracking, packing lists, vendor files, automatic UPS lookups, backorder generation, price lists, import/export capabilities, product bundling, availability calculators, customer tracking, batch updating, multiuser support, clairvoyant lookups and more. P.I.M.S. will also interface to Peachtree Accounting for Mac software.
$495 to $4,995 retail; call for brochure and videotape
ExecUtron Computers; 1831 Guerneville Rd.; Santa Rosa, CA 95403; 707-525-3715 or 800-367-9969

POS Register
Point-of-sale, accounting and inventory control system
Macintosh Plus or larger; hard disk drive; ImageWriter II.

POS Register is a fully integrated point-of-sale, order entry and inventory control system designed for use in wholesale or retail businesses. Point-of-sale functions include: order entry, back order tracking and sales invoicing with automatic calculation of customer or quantity discount prices; adjustment of inventory quantities and calculation of salesperson commissions; sales invoice types; customer ledgers, customer comments, Accounts Receivable, serial numbered item tracking, finance charges and gift certificate sales; and more. Purchase functions include: Accounts Payable; Vendor Ledgers; Vendor Comments; Purchase Orders; and Purchase Receipts. The Inventory Control System provides fields to record the item description, vendor, vendor part number, taxable item indicator, serial numbered item indicator, warranty period, color, size, weight, style, current quantity on hand and more. The General Ledger is a double-entry, accrual accounting system that is fully integrated with all other portions of POS Register.
$999.95 retail; single user
$1,199.95 retail; multiuser
Pacific Software Engineering; 109 Minna St., Ste. 273; San Francisco, CA 94105; 415-753-8388

POS/OE 4 Mac
Inventory control, point of sale, order entry, accounting
Macintosh Quadra 605 or larger; 8 MB of RAM; 20 MB hard disk drive; 4th Dimension V3.

POS/OE 4 Mac is a 4th Dimension compiled point of sale, order entry and inventory control system for retail, mail order, manufacturing, wholesale and distribution. The program includes many features, which will quickly increase productivity and efficiency. Custom configuration allows optimum performance and system adaptability to a wide variety of vertical markets. The program is available in single or multiuser mode and can be configured for online perpetual inventory or batch mode processing and updating. Features include client server technology, general ledger, accounts payable, accounts receivable, automatic purchase order generation, credit card processing, password and security functions, data import/export, standard and custom reports, versatile tax calculations, multilevel pricing, serial number and commission tracking, bar-code input, cash drawer support, average/LIFO/FIFO costing, accounting interface, gift registry, color screens and more. Options include multilocation polling, U.S./Canadian Zip code files and links with 4th Dimension modules, 4D Write and 4D Calc. A demonstration is available.
Call for pricing
E.E.S. Companies, Inc.; 2 Vernon St., Ste. 404; Framingham, MA 01701; 508-653-6911 or 508-650-1872 (fax)

POSIM•Express
Point-of-sale inventory management
Macintosh Classic or larger; 4 MB of RAM; hard disk drive.

POSIM•Express is designed specifically for high-speed, high-volume point-of-sale inventory management operations. Its unique check-out features are designed to expedite customer processing by using bar-code scanning and programmable speed keys. Cashiers will prefer its simplicity and ease of use as it eliminates the memorization of codes and provides quick, online price and customer look up. Standard reports provide management tools for retailers, such as "Z" tapes, register total reports, reorder lists and sales usage. The Define a Report feature permits users to design reports to meet their needs, in their format.
$1,795 to $2,495 retail; single user to multiuser
Ensign Systems; 26 N. Main, Ste. B; Layton, UT 84041; 801-546-1616 or 801-546-6490 (fax)

POSIM•Lite
Point-of-sale inventory management
Macintosh Classic or larger; 4 MB of RAM; hard disk drive.

POSIM•Lite provides the basic requirements to manage smaller retail operations. Its complete set of inventory management features creates a total solution for the retailer who is looking to control inventory while increasing productivity at a minimal price. Lite automatically looks up prices, applies discounts, calculates multiple level sales tax and dials a user's credit card service for authorization. Refunds, exchanges and voids are processed quickly. The complete point of sale transaction is fast and simple. Users will be able to control inventory, analyze margin and sales in ways that are uniquely tailored to the demands of their retail business.
$695 to $995 retail; single user to multiuser
Ensign Systems; 26 N. Main, Ste. B; Layton, UT 84041; 801-546-1616 or 801-546-6490 (fax)

POSIM•Premier
Point-of-sale inventory management
Macintosh Classic or larger; 4 MB of RAM; hard disk drive.

POSIM•Premier provides complete point of sale management and inventory tracking. Up to 32 Macintoshes may be used as sales points with AppleShare or POSIM Share. An intuitive Mac interface allows anyone to quickly learn the system. POSIM•Premier features automated entry of sales and purchase data via bar-code scanners and QuicKeys. Information is instantly routed to comprehensive inventory and customer records. Invoices, statements, purchase orders and bar-code labels are easily generated. The program allows for back order processing. It interfaces to various receipt printers, bar-code printers, cash drawers and VeriFone credit card system, and features seamless integration with accounting packages. POSIM•Premier features accurate reporting via standard predefined reports and a powerful user-definable report generator. Reports provide key executive decision making information, such as inventory history, return on investment for inventory items, seasonal trends, sales history, valuable customer information, etc.
$1,795 to $2,495 retail; single user to multiuser
Ensign Systems; 26 N. Main, Ste. B; Layton, UT 84041; 801-546-1616 or 801-546-6490 (fax)

R'Comp
Multiuser database application for computer retailers
Macintosh Classic or larger.

R'Comp is a multiuser database application specifically made for computer retailers. It has mouse- or keyboard-driven quote entry and retrieval; one-step quotation/order conversion; customer lists; supplier lists; equipment information already installed from companies, such as Merisel and Ingram Micro; automatic or manual purchase order generation; inventory tracking on the part and line item level; low inventory warning; and quotation, order, receivable, payment due and billing reminders. There are a variety of different options for printing layouts: fax quotes, fax cover sheets, invoices, purchase orders, letters, envelopes and many more.
$2,370 retail; demonstration copies available
Information Concourse; 16 Gerry St.; Cambridge, MA 02138; 617-576-2162 or 617-576-2138 (fax)

ReNTiT
Rental management
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; System 6.0 or later; ImageWriter II (for multi-ply forms), or StyleWriter or LaserWriter.

ReNTiT is an integrated rental system that processes clerical, management and point of sale paperwork for Party, Medical, Ski, Homeowner, Construction and other equipment rental companies. The system handles order processing, reservations, contracts, statements, accounts receivable, accounts payable, billing, collections, inventory control, staging for truck loading and equipment preparation, bookings, point of sale, cash flow, customer profiles, profit per inventory item, etc. Sale, rental and service items can be combined on the same contract. Part, item and customer numbers can be used, but are not required. ReNTiT supports split contracts, quotes and customer ID checking. It shows revenue distribution by either the cash or accrual method. The system comes with one year of free technical support.
$4,995 retail; General Equipment Version
$4,995 retail; Party Version
$25 retail; illustrated manual

These Products Available Through Bottom Line Distribution
1-800-347-1923

Simple Solutions; 21930 Valerio St.; Canoga Park, CA 91303; 818-887-2542 or 818-887-1313 (fax)

Retail Engine Accounting
Accounting system
Macintosh Plus or larger; hard disk drive.

Retail Engine Accounting is a completely integrated accounting system for the Retail Engine apparel point of sale software family. Retail Engine Accounting maintains four journals: Point of Sale, Cash Disbursements, Purchases Journal and General Journal. It automatically updates the General Ledger from the entries made in these four journals. The Point of Sale Journal is imported from Retail Engine Manager. Vendor invoices are entered in the Purchases Journal and are tracked individually until they are paid. The Cash Disbursements Journal can handle multiple checking accounts and relate checks to vendor's invoices, as well as employee payroll. All checks entered in this journal can be printed. Other transactions are entered in the General Journal. Retail Engine Accounting prints consolidated and comparative financial statements.
$495 retail
Houlberg Development; 9789 SW Coquille Ct.; Tualatin, OR 97062; 503-692-4162

Retail Engine Point Of Sale
Point of sale/management/accounting system for apparel retailers
Macintosh Plus or larger; hard disk drive.

Retail Engine is a complete software system for apparel retailers with a single location or many. A Macintosh on the sales counter is used to enter sales and produce sales receipts. Retail Engine Sales Recorder is also available for a back office setting. The system handles sales on account, on deposit, resale, gift certificates, payments, voids and multiple sales tax jurisdictions. Report searches and sorts are user defined and provide information for any one store or all stores consolidated. Reports include Sales and Stock, Flash Report and Open To Buy. Grids are used to enter and display inventory and sizes. A single size chart handles up to 40 sizes. Bar-code hang tags with SKUs are printed by the system to mark merchandise. UPC is also supported. A bar-code reader and cash drawer are available. A complete General Ledger accounting package is also available.
$1,895 retail
Houlberg Development; 9789 SW Coquille Ct.; Tualatin, OR 97062; 503-692-4162

Retail Engine Sales Recorder
Records sales information in a back-office setting; management; accounting system for apparel retailers
Macintosh Plus or larger; hard disk drive.

Retail Engine Sales Recorder is a back-office solution for retailers who want to enter transactions at the end of the day. It records sales quickly in a back-office setting for one or more stores. An optional bar-code reader can be used to scan tags with SKU or UPC information, greatly increasing speed and accuracy. Report searches and sorts are user defined and provide information for any one store or all stores consolidated. Reports include Sales and Stock, Flash Report and Open To Buy. Grids are used to enter and display inventory and sizes. A single size chart handles up to 40 sizes. A complete General Ledger accounting package is also available.
$1,595 retail
Houlberg Development; 9789 SW Coquille Ct.; Tualatin, OR 97062; 503-692-4162

Retail Partner
Inventory control and point-of-sale system for retailers
Macintosh Classic II 4/80 or larger; System 7.1 or later.

Retail Partner is an integrated package designed to help retail and wholesale businesses track and control inventory; handle point-of-sale/order entry; analyze sales trends and profits; and generate accounts receivable statements. It integrates with accounting packages, bar-code readers, etc.
$1,895 retail; single user
$2,495 retail; multiuser
RWS Information Systems; 4300 Promenade Way, Ste. 220; Marina del Rey, CA 90292; 310-822-8820 or 310-822-7909 (fax)

SerMan
Service management system
Macintosh Classic or larger; 4 MB of RAM; hard disk drive.

SerMan provides the tools for users to manage all aspects of their service management operations. Using its unique, interactive capability, users can easily create and process repair orders, prepare repair billings and replenish either stock or exchange orders. Various standard reports provide information for the effective management of a service business. In addition, all operating data can be made available through the customized reports generator. Valuable repair information, warranty reimbursement features and direct online order systems will improve service operations through better inventory management and more effective employee productivity.
$1,795 to $2,495 retail; single user to multiuser
Ensign Systems; 26 N. Main, Ste. B; Layton, UT 84041; 801-546-1616 or 801-546-6490 (fax)

theStorekeeper
Point-of-sale retail system
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; System 6.0 or later.

theStorekeeper is a complete system designed specifically to allow retailers to grow and manage their stores. All functions of a retail store are automated, such as point-of-sale transactions, linking to cash registers and receipt printers, marketing, inventory control, employee time cards and reporting. Point-of-sale entry through touch screen, bar code, scanner or keyboard and templates designed for various types of retail and restaurant formats, giving the ability to handle a large amount of transactions efficiently. theStorekeeper is a 4th Dimension-based application giving full multiuser and multistore capabilities. The marketing tools include pop-up windows to gather buyer profiles, along with buying history as criteria for doing targeted mailings. Inventory includes: purchase orders, inventory management (real time or batch), product sales performance reports, average cost inventory value maintained, critical inventory reports and the ability to print bar codes. Employee time cards are maintained, along with cash control for employees and registers.
$749 retail
James Integrated Technologies; 350 E. County Rd. D; St. Paul, MN 55117; 612-484-9549, 800-735-0635 or 612-484-9551 (fax)

Video Rental Management Premiere
Manages video rental store operations
Macintosh Plus or larger; hard disk drive; ImageWriter.

Video Rental Management Premiere allows video rental store owners and employees to track and manage the rental and sales of videocassettes. It also helps protect videos from being stolen before they are rented. During peak periods, the program allows more customers to be served in less time, and overdue movie returns that used to go undetected become a source of previously lost revenue.
$995 retail; demo disk available
Graftech; 99 Jacklin Ct.; Milpitas, CA 95035; 408-945-6585

The Video Rental Manager
Video store management
Macintosh Plus or larger; 20 MB hard disk drive; ImageWriter II.

The Video Rental Manager provides for effective management of a video rental operation. Clerks add new members/movies and enter reservations, rentals or returns. The system does the rest: uses defaults to eliminate data entry where possible; provides point-of-sale customer receipts; maintains daily cash flow totals; special pricing/promotion features; and allows sale of movies from stock with option of charging any of three different tax rates. A pull-down menu allows users to print any of the many reports or handouts at any time. User passwords ensure security and confidentiality. Flexibility has been built in to permit user choices in managing a store. Multiuser capability and use of bar codes is optional.
$595 retail; dealer/volume discounts and multiuser version available
The Computer Junction, Inc.; 214 Elm; Washington, MO 63090; 314-239-7544 or 314-239-3962 (fax)

The Video Store Manager
Video store management
Macintosh Plus or larger; 1 MB of RAM; 40 MB hard disk drive; System 6.0.5 or later.

The Video Store Manager is designed to automate all phases of video store management. The system incorporates a modular design that separates the day-to-day operations, which include adding new films and customers, renting and selling films and the reservation system, from the password protected, accounting, reporting and film and customer management operations. Where possible, defaults minimize data entry. Customer and store receipts can be printed on both plain paper and special two-part forms. A variety of pricing schemes are provided, along with up to eight different classes of members.
$695 retail; demo disks available
Ghost Software, Inc.; 12600 S. Belcher Rd., Ste. 103D; Largo, FL 34643; 813-530-7400, 800-443-5806 or 813-530-9061 (fax)

Vertical Markets/Sales

Biz Basics EZ For FileMaker Pro
11 interactive FileMaker Pro business templates
Macintosh SE or larger; hard disk drive; FileMaker Pro 2.0 or later; System 6.0.5 or later.

Biz Basics EZ is a series of 11 interactive FileMaker Pro templates that help companies easily manage their sales accounting, customers, vendors, invoicing, products and services, inventory, purchase orders and employees. EZ runs multiple companies, departments or locations from a single set of files. It features inventory control; project tracking; provides customized buttons, "EZ Entry" screens, powerful lookups and pop-up menus to allow quick data entry. This colorful template set also includes 60 professional reports, including Accounts Receivable, Accounts Payable, Aging, Customer History, sales and inventory reports, statements, late notices, commission statements, mailing labels, mail merged letter layouts, easy fax sheets, follow-up reports, phone/fax logs and more. A HomeBase Command Center makes it simple to navigate through this unlocked template set. Biz Basics EZ functions the same as Biz Basics Pro except shipping manifest and rates have been removed, as well as a few of the more advanced features found only in the Pro version. EZ is designed for the product or service company who does not need detailed shipping features, custom payment terms or component level inventory. This version is geared more toward service-oriented businesses, and is also Canadian GST/PST savvy. It is fully integrated with EZ Letterz and EZ Dialer+.
$249 retail
$498 retail; multiuser (up to 10)
A demo kit is available
Working Solutionz Software; 2191 Rosecrans St.; Simi Valley, CA 93065; 805-522-2170 or 805-527-7787 (fax)

Biz Basics Pro For FileMaker Pro
FileMaker Pro business templates
Macintosh LC II or larger; FileMaker Pro 2.0 or later; hard disk drive.

Biz Basics Pro is a series of 16 interactive FileMaker Pro templates that help companies easily manage their customers, vendors, sales orders, invoicing, products and services, inventory control, project tracking, purchase orders and employees. Biz Basics Pro runs multiple companies, departments or locations from a single set of files. It supports product and component inventory control with multilevel pricing; provides customized buttons, "EZ Entry" screens, powerful lookups and pop-up menus to allow quick data entry. It also supports multiple screen sizes in full color. The unlocked template set also includes 70 professional reports, including accounts receivable, accounts payable, aging, customer histories, sales and inventory reports, statements, late notices, commission statements, mailing labels, mail merged letter layouts, easy fax sheets, follow-up reports, phone/fax logs and more. A built-in shipper module includes 40,000 Zip codes and cities that automatically look up rates and zones for all UPS and US Mail shipping. Biz Basic Pro tracks the total package weight, updating shipping costs "on the fly," right on the item entry screen, allowing users to

TeleMagic – Client/Sales Management Database
MaxSolutions ---------- (619) 431-7321

make smart economical shipping decisions that benefit their bottom line. Packing labels and approved UPS Host Manifest system are fully automated and include documentation. It comes fully integrated for EZ Letterz and EZ Dialer+.
$398 retail; bundled with Shipper
$795 retail; multiuser (up to 10)
A demo kit is available
Working Solutionz Software; 2191 Rosecrans St.; Simi Valley, CA 93065; 805-522-2170 or 805-527-7787 (fax)

The Buyer's Mind
Provides a message-building formula to gain customer attention and develop a compelling reason to buy from a user rather than a user's competitors
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.5 or later.

The Buyer's Mind is software that takes a user inside the buyer's consciousness to build a buyer-oriented, advanced selling strategy. Using a user's expertise, a user develops tactical moves to pinpoint what a buyer wants and how to respond. Users learn to avoid common sales-killing errors that experienced salespeople make everyday. Once users have scripted their advanced selling strategy, a custom manual containing a user's tactics and an overview of how to use them is printed out. With practice, users master the mechanics to handle nearly every selling situation gracefully, tactfully and successfully. The Buyer's Mind includes textbook, disks, desk reference card and installation instructions. It is available for the Macintosh and DOS PCs running Windows 3 or later.
$395 retail
The Vass Company; 6855 Heathfield Dr.; Atlanta, GA 30328; 404-252-2838, 800-424-8277 or 404-250-0148

Cat Extractor
Transfers data from C•A•T III data files into Contact Ease
Macintosh Plus or larger; hard disk drive; System 6.0.2 or later.

Cat Extractor is a utility for easily transferring data from C•A•T III data files into Contact Ease. It exports all C•A•T fields, including user fields, all account and contact notes and (optionally) a list of documents for each contact. A simple interface and step-by-step instructions make it easy to get out of C•A•T.
$49.95 retail; provided free to Contact Ease users
WestWare, Inc.; 4903 Morena Blvd., Ste. 1212; San Diego, CA 92117; 800-869-0871, 619-274-5053 or 619-274-5055 (fax)

Contact Ease
Sales and marketing follow-up program
Macintosh Plus or larger; hard disk drive; System 6.0.2 or later.

Contact Ease automates contact follow up. It supports target marketing using direct mail and telemarketing, and also tracks personal activity items. By entering follow-up "plans," the program can automatically generate all the right letters and activity items at the right time with one mouse click. A built-in word processor lets users apply fonts, sizes and styles character by character. Graphics can be placed anywhere in a document. Envelopes are printed with U.S.P.S. Postnet bar codes. The unique CyberSwap feature lets users take data along on a portable computer, and then easily merge changes into the office data file. Contact Ease provides a contact list for quickly finding the right person. Other features include: dials the phone; logs calls; prints mailing labels; 20 user-defined custom fields; and text import and export.
$249 retail; single user
$495 retail; Lockserver (necessary for network capabilities)
$1,495 retail; five pack
WestWare, Inc.; 4903 Morena Blvd., Ste. 1212; San Diego, CA 92117; 800-869-0871, 619-274-5053 or 619-274-5055 (fax)

Control Classic 2.0
Professional sales automation
Macintosh Classic II or larger; 4 MB of RAM; hard disk drive.

Control Classic is a complete professional sales automation system for anyone who needs to manage business contacts and follow-up activities. By integrating a powerful relational database of Customers (companies) and Contacts (multiple people within a company) with word processing, a calendar and things-to-do list, sales leads and prospects never fall "through the cracks." Sales leads can be assigned to a pre-defined "Process," which consists of a series of scheduled follow-up letters and phone calls. Once assigned to a Process, Classic takes over and makes sure follow-up letters go out on time and the appropriate reminders appear in the Things To Do list each day. There is no limit to the number of different Processes that can be managed at once and no limit to the number of Steps in a Process. Other features include: unlimited keywords per customer or contact; keyword searching; find and replace on keywords; search on any field or any combination of fields; 20 user-defined fields and four user-defined checkbox (boolean) fields; global record updating with access to an extensive command language; ASCII import and export; marketing effort response analysis; auto-phone dialing; custom reports and labels; envelope printing with company logo; duplicate record checking; automatic alpha field formatting; Zip code verification of city, state, area code and time zone; automatic faxing of messages using FaxSTF software and fax modem; access to GeoQuery 4.0 via Apple Events allows data to be viewed and manipulated geographically; full-featured word processing and mail merge capabilities; password access system; and batch printing of letters, envelopes, faxes, memos and labels.
$349 retail; single user (multiuser available)
Diamante Software; 14330 Midway Rd., Ste. 119; Dallas, TX 75244; 214-661-3855 or 214-661-5504 (fax)

CorNet ETM
Designs sales force automation programs
Macintosh PowerBook.

CorNet produces applications that increase the speed and accuracy with which salespeople communicate with management, each other and their clients — tools that translate into greater productivity and increase sales. CorNet stands alone in its ability to design Sales Force Automation programs that integrate tightly with clients' existing information infrastructure. The foundation of the system, Electronic Territory Management (ETM), is a series of modules, such as Ad Hoc Analysis, Inventory and Account Maintenance, that can all be customized to suit a company's requirements. Users choose the modules that match the sales and marketing profile of their company. Distribution of data and maintenance of a national database are carried out by CorNet during the Pilot and Rollout. After which CorNet will continue to manage the system or manage a transfer of technology. CorNet makes available a full array of maintenance and support services, ranging from hardware repair to a dedicated telephone helpline.
Call for pricing; license per user
CorNet International, Ltd.; 701 Main St.; Stroudsburg, PA 18360; 717-420-0800 or 717-420-0818 (fax)

■ **Data-Date**
Maintains a client/customer file
Macintosh Plus or larger; FileMaker Pro runtime.

Data-Date is a calendar and client/customer file that combines four useful databases into a single program: Client File, Letter Look-Up, Year At A Glance and Client Tracking. The Client File feature records appointment times, stores background information on each name, from addresses and phone numbers to necessary facts pertaining to the appointment, and includes label layout and forms for letters to speed up routine correspondence. Letter Look-Up files previous correspondence for quick reference. Year At A Glance provides an easy way to schedule vacations and important meetings. Client Tracking not only lists prospects and referrals, but records current status and any follow-up action.
$295 retail
Simplified; 642 E. Squirrel Tail Dr.; Tucson, AZ 85704; 602-797-2990 or 602-797-7865 (fax)

Direct Mail
Mailing list management
Macintosh 512K or larger.

Direct Mail allows users to enter mailing lists under an unlimited number of categories. It prints mailing, shipping and filing labels and merges them into letters. Users can then print correspondence to all or any portion of the list. The program will print labels in four columns on a page and will print a list of postal and Zip codes. Direct Mail can also be customized to support color printing on an ImageWriter II.
$295 retail; single user with Omnis 3 Plus Runtime
H&D Leasing; PO Box 1137; Clovis, NM 88101; 505-762-4139 or 505-769-3711 (fax)

Down To Business 3.0
Seven business tools
Macintosh Plus or larger; hard disk drive; FileMaker Pro 2.0.

Down To Business includes the standard features users would expect to find in small business software and more — quick and detailed invoicing; purchasing, receivables and payables management; inventory and order control; customer data and contact tracking; price lists; mailing lists and customer and employee sales reports. Multiple addresses per customer, prepayments and credits on orders are provided for, along with an alert feature that will inform a sales staff of a problem or potential problem with a particular customer when their next order is placed. DTB handles a user's sales effort by allowing users to keep precise track of activities while reminding a salesperson of their next scheduled sales call. DTB has the ability to handle all sorts of tax situations, from non-taxable items to non-taxable customers, from single state to multistate tax collection. All of these reports can be easily modified to handle complex city/county/state tax calculations.
$149 retail
Packer Software; 43 Barnes Rd.; Stonington, CT 06378; 203-535-2666, 800-782-9955 or 203-535-0817 (fax)

■ **EZ Dialer+ For FileMaker Pro**
Auto-dialer
Macintosh SE or larger; 8 MB of RAM; System 7.0 or later; hard disk drive.

EZ Dialer+ is a stand-alone utility that lets any FileMaker Pro database dial any phone number automatically. EZ Dialer+ will also work with other software that can send an AppleEvent. Users may set their Preferences to dial through the Macintosh's modem or speaker and select the port they wish to use. This affordable tool is easy to set up and includes a FileMaker Help Database with example scripts and simple step-by-step instructions on how to link it with their FileMaker Pro databases. EZ Dialer knows when to dial "1" first and will ignore area codes that match the users and dial those that don't, which insures accuracy and avoids dialing the wrong number. Users may disable call waiting and dial an outside line automatically as part of their preferences. Using FileMaker Pro scripts, users may create various keyboard commands for dialing different phone fields. EZ Dialer+ also includes pop-up menus that let users change their Chooser and printer name right from the Dialer screen, without having to open the Chooser.
$39 retail
Working Solutionz Software; 2191 Rosecrans St.; Simi Valley, CA 93065; 805-522-2170 or 805-527-7787 (fax)

EZ Letterz For FileMaker Pro
Stores and manages all correspondence in a single FileMaker Pro file and "auto-merges" contact names/addresses with any letter, fax, memo and more
Macintosh Plus or larger; hard disk drive; FileMaker Pro 2.0 or later; System 6.0.5 or later.

EZ Letterz provides a unique way of creating, storing and merging letters, fax cover sheets, office memos and more, while automatically updating an Activity Log for each correspondence sent. EZ Letterz introduces a new concept in letter writing that lets users increase the speed and efficiency of managing correspondence. All preformatted correspondence is created and stored inside one library file of letters. FileMaker Pro users may now add a new record for each new correspondence and no longer need to add a new layout to create a new letter. Users are only responsible for typing in the actual body and its title into a database of letters. A letter, fax sheet or memo may be formatted automatically and merged with contact and address information. Print option buttons include preformatted layouts for three standard styles of business letters, one personal letter format, a fax message cover sheet, an interoffice memo form, #10 envelopes, popular Avery mailing labels and an editorial layout, which handles reports,

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proposals, agreements, press releases and more. All files ship totally unlocked, so company logos may be added and letter formats adjusted. A Long List button offers the convenience of a one-list lookup of a letter library, which may be sorted multiple ways at the click of a button. The use of Pick Lists allows users to quickly choose the contact(s) they wish to send correspondence to. EZ Letterz also ships preset to work with Biz Basics, Down to Business and even the sample templates that ship with FileMaker Pro. It ships fully integrated for EZ Dialer+.
$89 retail; single-user; 10 packs available (demo version is located in the Claris section of America Online)
Working Solutionz Software; 2191 Rosecrans St.; Simi Valley, CA 93065; 805-522-2170 or 805-527-7787 (fax)

■ **EZ Letterz For Workgroups**
Provides workgroup correspondence library and log
Macintosh SE or larger; 1 MB of RAM; FileMaker Pro 2.0 or later; System 6.0.5 or later; hard disk drive.

EZ Letterz for Workgroups provides a unique way for office workgroups to create, store, merge and manage letters, fax cover sheets, office memos, editorial and more, while automatically updating an "Activity Log" for each correspondence sent. EZ Letterz introduces a new concept in letter writing that increases the speed and efficiency of managing a workgroup's use of common documents, while allowing the privacy of personal correspondence. It is unique from the everyday word processor in that all correspondence is created and stored inside one library file of letters. The "Contacts.FM" and "GroupDoc.FM" files are shared over the network, while each group member maintains their own private letter library right on their hard drive. Users may "post" or "get" common documents to/from the server, modify and repost them for the benefit of the group via simple buttons. All templates ship totally unlocked so company logos may be added and letter formats may be adjusted to fit the company standards. A favorite feature is the Activity Log that automatically logs each letter title, who sent it, project name (or RE:) and the date and time each correspondence was printed or sent. It is also fully compatible with Claris Corp.'s FileMaker Pro Server product.
$499 retail; per workgroup
Working Solutionz Software; 2191 Rosecrans St.; Simi Valley, CA 93065; 805-522-2170 or 805-527-7787 (fax)

■ **Invoices And Inventory**
Inventory management
Macintosh Plus or larger (68030 processor recommended); 2 MB of RAM; System 6.0 or later (System 7.1 recommended); hard disk drive.

Invoices & Inventory is a two part program. The Inventory file contains all the information about users' products. A catalog of inventory can be created. Item information with a photograph, supplier information, reorder information and back order information can be entered, as well as low inventory, back order, inventory list and assets reports generated. When a sale is made, the invoices file is used. The part number is entered and information about the part is looked up and put into the invoice, including the present quantity in stock (QTY in stock). Entering QTY sold causes the total cost to be calculated. When all sale items are complete, a sales tax box can be checked and if Yes, the appropriate sales tax is figured. Shipping charges are added and the total due is figured. Method of payment information is entered and after item is sold, selecting a box will update the inventory file.
$99.95 retail
HPO Soft; 7812 W. Clayton Dr.; Phoenix, AZ 85033; 602-848-9758 or 602-849-5889 (fax)

Leads!
Sales lead management
Macintosh Classic or larger; 3 MB of RAM; hard disk drive; LaserWriter recommended.

Leads! is a family of sales automation applications that provide an integrated, company-wide approach to sales automation. Leads! provides a comprehensive set of contact management tools for salespeople, complete with follow-up management, integrated calendar, word processing and label printing capabilities. Leads! automates the process of lead generation, lead distribution/consolidation and literature fulfillment a local or regional levels. For sales and marketing managers, Leads! provides a variety of management level reporting and the ability to target prospects for direct mail/marketing campaigns. Leads! allows users to associate sales contracts with specific accounts. Each account record can have an unlimited number of related contacts, and accounts can be organized in simple or complex hierarchies. Contact and account records can also have an unlimited number of associated "deals" or sales opportunities. A deal consists of general qualification information, such as amount, timeframe and probability. An unlimited number of line items can be added to the deal by simply selecting a product from an integrated list, entering a quantity and specifying a discount percentage. Forecast and funnel reports are automated. Using Leads! Transfer feature, the flow of all sales information is automated throughout the sales organization — from corporate, to sales offices, to sales reps — and back again. The result? Sales reps receive the hottest leads for immediate followup, while managers have up-to-the-minute forecast and funnel information across the entire sales organization. Both single and multiuser version are available. Each version can be used alone or combined together to provide an integrated, company-wide sales management solution for everyone from individual salespeople to large, multilevel sales organizations.
$695-$1,995 retail; Leads! single user
$5,495 and up retail; Leads! multiuser starting at three users
Endpoint! Marketing Information Systems, Inc.; 20813 Stevens Creek Blvd., Ste. 250; Cupertino, CA 95014; 408-725-4200, 800-725-4255 or 408-725-4210 (fax)

Market Extractor
Transfers data from Market Master data files into Contact Ease
Macintosh Plus or larger; hard disk drive; System 6.0.2 or later; Market Master and Contact Ease.

Market Extractor is a utility for easily transferring data from Market Master data files into Contact Ease. It transfers all Market Master fields, with the exception of Territories, including all notes, user fields, code fields, history items and phone scripts. In addition, the Market Master "Strategy" is recreated in Contact Ease and each name is re-attached to its proper step, so there will be no interruption to the automated follow up. A simple interface and step-by-step instructions make it easy to get out of Market Master.
$49.95 retail; free to Contact Ease users
WestWare, Inc.; 4903 Morena Blvd., Ste. 1212; San Diego, CA 92117; 800-869-0871, 619-274-5053 or 619-274-5055 (fax)

Market Master For The Macintosh Version 3.5
Sales and marketing follow-up software
Macintosh Plus or larger; 1.5 MB of RAM (more recommended); hard disk drive; ImageWriter or LaserWriter.

Market Master automates routine sales follow up so users can develop every lead to its fullest potential, have more time to focus on what's "hot" and increase sales by 20 percent or more. Automating the process keeps users on top of every lead and makes sure all are followed up properly. With more time for actual selling and relief from tedious paperwork, users become more productive and successful. Market Master gives users a competitive advantage by solving some of the biggest problems encountered by salespeople everywhere — not enough time for thorough and consistent follow up, too much clerical work for other departments and important leads falling through the cracks. Market Master is a fully-automated system. Users can prepare all correspondence with a click; update all the leads for their next action with another click; access all the information on a caller with a few letters of their name or company and update their file with a keystroke or two; automatically gather information on the results of their sales campaign; and even print out their periodic activity reports at a touch of the mouse. Market Master Remote lets users work with their leads on the road, then swap data with the home Market Master to update information in both directions. It is ideal for PowerBooks and is included at no charge with every copy of Market Master.
$395 retail
Breakthrough Productions; 210 Park Ave.; Nevada City, CA 95959; 916-265-0911 or 916-265-8036 (fax)

Market Master Manager Version 3.5
Sales and marketing follow-up software; standardizes the sales approach for an entire office
Macintosh Plus or larger; 1.5 MB of RAM (more recommended); hard disk drive.

Market Master Manager automates routine sales follow up so users can develop every lead to its fullest potential, have more time to focus on what's "hot" and increase sales by 20 percent or more. Automating the process keeps the sales force on top of every lead and makes sure all leads are followed up properly. With more time for actual selling and relief from tedious paperwork, it assures higher productivity and more success. Market Master Manager gives users a competitive advantage. It gives a sales manager control over salespeople's activities, assures thorough and consistent follow up and protects leads from personnel turnover. Results Analysis shows which sales reps get the best results and provides an early warning system for those who need extra help. The exclusive "Past Due" report makes sure nothing falls through the cracks. Other reports can show which lead sources get the best results, which sales strategies work best and just about anything else users would want to know. Market Master Remote lets field sales reps work with their leads on the road, then swap data with the home office to update information in both directions. It is ideal for PowerBook users, can be distributed to the whole sales force and is included at no charge with every copy of Market Master Manager.
$595 retail; up to four salespeople
$895 retail; up to 10 salespeople
$1,295 retail; up to 20 salespeople
$1,995 retail; unlimited salespeople
Breakthrough Productions; 210 Park Ave.; Nevada City, CA 95959; 916-265-0911 or 916-265-8036 (fax)

OrderTrak
Organizes manufacturers representatives and sales organizations by keeping accurate records and reports on orders and accounts
Macintosh II family or larger.

OrderTrak tracks: orders, backorders/multiple backorders, invoices, commissions, potential re-orders, SKU's monthly sales by individual representative and/or manufacturer, where each order was written (salesman, show, customer, manufacturer), new customers, charge backs from manufacturers and commission advances to salesperson. OrderTrak can create reports on monthly orders to be shipped, backorders, commissions not paid, backorder commissions not paid, salesman commission, salesman backorder commission, date to date sales, tickler file (used to identify potential re-orders), commission analysis, sales breakdown by month, breakdown of sales by manufacturer, breakdown of sales by account, monthly bookings, open order analysis, manufacturer analysis, customer analysis and year-to-date sales by account. An additional file that works with OrderTrak is the Address File, which stores accounts' address and credit information, as well as each manufacturer's information. This file also has contact management support. OrderTrak Aid, gives analysis capabilities to OrderTrak by breaking sales down by individual SKUs so that quantities can be examined for each manufacturer, account, salesman or month.
$695 retail
Database Associates, Inc.; 612 Highland Ave.; Needham, MA 02194; 617-449-8387 or 617-449-8386 (fax)

POFCO Order Entry System
Designed for contract furniture dealers/distributors
Macintosh Plus or larger.

The POFCO Order Entry System is a comprehensive order processing system from either an inventory or non-inventory basis. It allows users to create a worksheet containing all of the necessary information needed to produce client quotations, client acknowledgements and client invoices. It also produces (from the worksheet) purchase orders to multiple vendors, as well as warehouse receiving documentation and client delivery documentation. Financial reporting features include: monthly sales by account, gross profit, aged trial balance by account and commission reporting. It requires no special forms (prints on plain white paper). All documents are set for #10 window envelopes.
$1,749 retail; with reporting features
$749 retail; document processing only

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Providence Office Furniture Co.; 95 Chestnut St.; Providence, RI 02903; 401-454-2700 or 401-421-2221 (fax)

■ **QuoteMaster**
PowerBook-based quotation system
Macintosh PowerBook; 8 MB of RAM; System 7.1 or later.

QuoteMaster is a full-function product quotation system designed to be used by a field sales person. It is written in ACI's 4th Dimension relational database and is capable of handling the most complex types of products involving hundreds to thousands of product combinations. QuoteMaster is designed to assist the field sales person by looking up product codes and actually prevents the preparation of a sales quotation with incompatible products. QuoteMaster maintains records of all active leads that the sales representative is working on and outputs to a printer or fax/modem a final quotation for presentation to a sales prospect. Product customization services are available.
$995 retail; single-user license
$2,685 retail; three-user license
$4,770 retail; six-user license
Sudbury Data Services; 51 Rambling Rd.; Sudbury, MA 01776; 508-443-0560

The Sales Center
Automated sales administrative center
Macintosh PowerBook; 4 MB of RAM.

The Sales Center is a Macintosh PowerBook software package for providing automation capabilities to salespeople who require online technical assistance, ordering information and a completely personalized sales reporting center. It automates every aspect of the sales function, including the customized development of presentation slides for clients. Written in SuperCard, The Sales Center incorporates the following modules: Price Lists, Configurator (available in customized version only), Sales Order Form, Account File, Expense Forms and Sales Reports, Technical File, Marketing Presentation Generator and Desk Items. Accompanied by an easy-to-follow manual, the package customizes standard windows with company name, salesperson's name, as well as commission earnings, etc. As a standard package, The Sales Center is priced for a single-user license. For companies who require more than 50 licenses, the Group will customize the formats, price lists, reports, slide shows, etc., load the data and provide quarterly updates to the users.
$495 retail; single-user license
The Chandler Group; 4400 N. Federal Hwy., Ste. 210; Boca Raton, FL 33431; 407-392-9220

The Sales Connection
Sales management
Macintosh Plus or larger; 4 MB of RAM; System 7.0 or later.

The Sales Connection provides: contact and opportunity management; a common view of the account status; accurate tracking of win/loss information; a tool that supports a user's methods and systems for sales management; and freedom from manual pipeline reporting. Sales management and marketing are tightly integrated into the team, allowing: automatic pipeline reporting and roll up, yielding higher-quality information; effective program administration; coordinated partner selling; and accurate market information.
$695 retail
Connect Inc.; 10161 Bubb Rd.; Cupertino, CA 95014; 408-973-0110 or 408-973-0497 (fax)

Sales Synergy
Sales force automation software
Macintosh with 68030 processor or larger, including PowerBook family; Ingres, Oracle or Sybase server; System 7.0 or later.

Sales Synergy is software that provides companies a foundation for developing fully integrated sales and marketing systems. For the field-based representative, it is a relational database comprised of four core modules: Accounts, Contacts, Sales Opportunities and Activities. It features standard and custom reporting. Sales Synergy is comprised of two inter-related pieces: field software that runs on sales representatives' PowerBooks to provide productivity and sales tracking functions, and the Metropolis Data Distribution Engine, which runs on a central corporate computer in conjunction with and SQL relational database management system, such as Ingres, Oracle or Sybase. The engine provides information consolidation, distribution and synchronization services and can be modified to meet companies' unique requirements. Metropolis Software's team of SFA specialists can assist and support organizations throughout all phases of planning and implementation.
$50,000 starting price retail; price depends on number of users, modules and necessary level of customization and support
Metropolis Software, Inc.; 100 Hamilton Ave., Ste. 100; Palo Alto, CA 94301; 415-462-2200 or 415-617-5978 (fax)

Salesbase 2.0
Field automation
Macintosh Centris 610 or larger, including PowerBook 180 or Duo 230; Oracle or Sybase server; System 7.1 or later.

Salesbase is an integrated sales automation solution for midsize to large corporate sales organizations. It is a relational database comprised of four core sections: Contacts, Accounts, Projects and opportunities. Salesbase supports standard and custom reporting. Salesbase can be implemented as a single or distributed database. "Data Motion" technology sets up a distributed database using Salesbase. Data Motion keeps the field information flowing throughout an organization with the timely and accurate exchange of data between the field and corporate headquarters. It ensures every user access to the same information. Salesbase offers the ability to easily import and export information. Sierra Software also offers advanced customization services for Salesbase clients.
$1,400 per user retail
Sierra Software Innovations; 923 Tahoe Blvd., Ste. 102; Incline Village, NV 89451; 702-832-0300, 800-621-0631 or 702-832-7753 (fax)

SalesKit for Macintosh
Integrated sales information delivery system
Macintosh with 68030 or larger processor, including PowerBook 165c; 8 MB of RAM; 60 MB hard disk drive.

SalesKit Software provides completely integrated sales information delivery systems to field sales and service organizations needing a distributed database. SalesKit provides flexibility and simplicity as its primary benefits; flexibility in the final user interface, back-end database, remote communications vehicle and operating platform (Windows and/or Mac); simplicity in its use and modification. SalesKit's unique design allows for the system to be quickly and completely modified without needing to modify the source code and without SalesKit Software Corporation's help or additional expense. SalesKit is available on the Microsoft Windows, Macintosh and MS-DOS operating platforms, and is sold primarily to sales forces with more than 35 or more field representatives. A smaller scale system for the middle market (10 to 35 users) should be available later in 1994 (September).
$1,000 starting price retail
SalesKit Software Corp.; 10845 Olive Blvd., Ste. 190; St. Louis, MO 63141; 314-432-7205, 800-779-7205 or 314-567-0439 (fax)

SalesPower
Tracks sales contacts and activity, performance of salespeople; provides extensive sales reporting; creates mailing labels and user-definable reports
Macintosh Classic or larger; 4 MB of RAM; hard disk drive.

SalesPower is intended for professional salespeople who need to track and manage the details of their leads and prospects. While salespeople conduct the usual day to day activities with the prospects, the transactions are also recorded using this program. The program will generate reminders for follow-up dates and other due dates for actions that were promised. In addition, a daily and weekly appointment schedule is created for the salespeople. The software tracks the information on each salesperson and the sales managers. At any time, users can get a detailed report providing a break down of the prospects by their current status. SalesPower tracks all of the information related to the prospect, company or employer, full history of contact, the financial readiness and other ratings, products of interest to the prospect, their existing products, information sent, personal interests and attributes, family details, etc. A general rating can be given to each lead to reflect the level of interest shown in a user's products. The program generates mailing labels and mailing lists by Zip code, city, state and area code. It also generates 30-, 60- and 90-day sales forecasts and detailed reports on the effectiveness of lead sources.
$545 retail; per user (dealer inquiries accepted)
$695 retail; with built-in word processor
Stanford Business Systems, Inc.; 400 Corporate Pointe, Ste. 415; Culver City, CA 90230; 310-215-8444 or 310-417-5364 (fax)

Small Business Partner 4.0
Eleven business tools
Macintosh Plus or larger; hard disk drive; FileMaker Pro 2.0.

Small Business Partner is a generic management information system that helps users with the basics of selling, buying, producing and managing. Because of the flexible power of FileMaker Pro, users can do these tasks and analyze their businesses in more ways than ever thought possible. SBP provides both new and current FileMaker Pro users with a solid generic base that can be quickly adapted to any business. SBP is made up of 11 powerful, interactive files that can be used in any way desired. These templates come with a unique tutorial approach that will qualify, familiarize and train new employees.
$195 retail
Packer Software; 43 Barnes Rd.; Stonington, CT 06378; 203-535-2666, 800-782-9955 or 203-535-0817 (fax)

SoftSell
Sales automation software
Macintosh Plus or larger, including PowerBook; hard disk drive.

SoftSell is an easy-to-learn and easy-to-use program designed specifically for professional salespeople. It gives salespeople five additional hours of selling time per week, while requiring only 15 minutes to learn. SoftSell is also useful to other professionals who have a high degree of sales in their work, including executives, managers, buyers, consultants, attorneys, project managers, etc. SoftSell is easy to learn because all commands are listed in pull-down menus that are in the terms that salespeople use. Commands are activated by pointing at them, so there is no need to memorize and type commands. SoftSell is also easy to learn because of its step-by-step illustrated manual. SoftSell acts as an "electronic secretary," organizing a salesperson and automating their administrative tasks. By reminding a salesperson when to call customers, the program assures that no customer requests or deadlines are ever missed. The software auto-dials telephone numbers; shows pop-up sales scripts and pitches; stores product information; keeps customer to-do lists; maintains a complete history of customer conversations and customer activity; instantly finds information on past conversations by a word, phrase or date; creates form letters and form invoices; does mail merge; addresses envelopes and labels; generates sales reports and forecasts for management; and prints address books. SoftSell also creates formulas for mailing form letters, allowing users, for example, to send an invitation for a Chicago seminar to only those customers with the title "buyer" in the city of Chicago.
$375 retail
Business Software Inc.; 701 San Conrado Terr., Ste. 5; Sunnyvale, CA 94086; 408-736-3000 or 408-730-5165 (fax)

SuperRep Business Management System
Commission tracking and business management software for manufacturer representatives and rep agencies
Macintosh LC or larger; hard disk drive; printer; backup system is recommended.

SuperRep is a complete, multiuser business management system for manufacturer representatives. The program manages multiple customers, manufacturers and agents. The tickle card control system manages customer and prospect tickle dates and generates daily, weekly, monthly and yearly action item reports. Other features include in-depth sales analysis, order tracking, comprehensive accounts receivable and automated links between purchase orders and invoices. Purchase orders and invoices are available either by line-item with a catalog pricing module or by totals

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only. Either invoicing system allows multiple orders to be shipped on one invoice and multiple invoices to be shipped on a single order. Each invoice can have multiple commission splits. Cash receipts are automatically applied to outstanding invoices as payments for earned commissions. SuperRep provides three levels of detailed sales and commission analysis, catalog item sales breakdown and analysis, history recaps, and generates mailing labels and Rolodex cards. The system provides more than 60 different reports, such as agent sales breakdown by customer, customer sales breakdown by manufacturer, unpaid invoice breakdown and more. SuperRep is available in two levels.
$995 to $1,495 retail; priced per module
SoftQuest, Inc.; 8711 Burnet Rd., Ste. F68; Austin, TX 78758; 512-452-4500, 800-299-9991 or 512-452-2378 (fax)

■ **Tactician Selling Machine**
Improves sales and service operations productivity
Macintosh II or larger; math coprocessor; 8 MB of RAM; 25 MB of free hard disk space; 13-inch color monitor; System 6.0.3 or later.

Tactician Selling Machine improves the productivity of sales and service operations by reducing "windshield time," balancing workloads and providing better information for decisions. The system enables both manual and automated territory redistricting. It includes all functionality and data of Tactician Buttons, plus TOTEM, the sales territory optimization system that uses drive time or distance to optimize territories for efficiency and user-selected variables (such as workload or sales potential) to balance territories and minimize cost. It also includes Data Warehouse for building extremely large, high-speed databases that can be accessed via any Tactician system.
$19,995 retail
Tactician Corp.; 16 Haverhill St.; Andover, MA 01810; 508-475-4475, 800-927-7666 or 508-475-2136 (fax)

TeleMagic V12
Client/sales management database
Macintosh Plus or larger; hard disk drive.

TeleMagic is designed for sales professionals, telemarketers, entrepreneurs, secretaries, brokers or anyone who deals with a large number of contacts. The program adapts to a user's methods and contains user-modifiable fields to streamline every sales activity. At the touch of a button, users are able to make calls, place orders, plan meetings, write follow-ups, produce reports and more.
$495 retail
$995 retail; three-user limited network
$2,495 retail; LAN version (unlimited users)
MaxSolutions; 6431 Cayenne Ln.; Carlsbad, CA 92009; 619-431-7321 or 619-431-8810 (fax)
FAX©NDEMAND 1-800-872-3293 **132**
AUDIOTEX 1-800-305-4556 **132**

Territory Manager
Created for outside sales reps whose automobile is also their office
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.4 or later.

Territory Manager is a unique software package created specifically for the outside sales rep whose automobile is also his/her office. Designed for the non-computer user, the program's point-and-click interface allows reps to concentrate on their sales, not their computer. Entering a sales call takes about a minute and provides the sales rep with an automatic reminder for followup. The built-in schedule puts users in front of the right prospect at the right time, and a missed call report keeps any lead from falling through the cracks. Other features include: automatic creation of sales reports; printing of callbacks and appointments for any date range; fax memos; and sales letters. A powerful sales analysis tool provides feedback on sales effectiveness and indicates where efforts should bring the greatest sales increase, and a complete forecasting module makes it easy for the user to track and weight pending sales opportunities. This product is ideal for use on the road with a PowerBook — or users can do the data entry at the end of the sales day — about 15 minutes per day is all it takes. The program is System 7 compatible and customization is available.
$295 retail
Software Solutions; 6404 E. Oak St.; Evansville, IN 47715; 812-477-3181

theCustomer
Operations software
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; System 6.0 or later.

theCustomer focuses a user's efforts on profitable activities, providing more time for customers. The software automates time-consuming activities, such as creating proposals, processing orders, managing back-orders, shipping invoices, sending letters, managing receivables, purchasing components, managing bills of materials and organizing production. Sales and marketing features include: contact management, commissions and sales quota tracking, split commission management, proposals, auto dialing, mail merges and letters, telemarketing scripts, tracking revenues by marketing efforts, lead worksheets and market profiles of customers and prospects. Order entry/invoicing features: automatic freight cost estimation, audio alerts for credit risks and back-ordered products, back-order management and prints various order and invoice forms, pick lists, bill of lading, COD and shipping labels. Inventory includes: purchase orders, multilevel bill of material capabilities, inventory management (real time or by batch), product sales performance reports, average cost inventory value maintained, critical inventory reports, production and usage reports. Customer service includes: office mail system, documents customer concerns, schedules action items, records and reports on recurring events and controls return material authorizations. Many reports and a calendar are also provided.
$649 retail
James Integrated Technologies; 350 E. County Rd. D; St. Paul, MN 55117; 612-484-9549, 800-735-0635 or 612-484-9551 (fax)

Vertical Markets/Science

AcqKnowledge 3.0
Data acquisition and analysis software
Macintosh Classic or larger.

AcqKnowledge is an interactive waveform data acquisition and analysis program. By incorporating fast, on-screen controls, users can instantly view, measure, analyze and transform data. Features include x-y plotting, digital filtering, auto correlation, peak detection, FFT (forward and inverse), integration and differentiation and a range of standard mathematical functions. Full editing functions, on-screen time and amplitude cursors and waveform arithmetic can be performed with multiple windows. On-screen markers and a flexible journal allows data to be easily annotated. It creates high-resolution, publication-quality graphs. AcqKnowledge will load and save text and binary files with up to 60 waveforms per graph window in color. It works with BIOPAC data acquisition products. Math coprocessor support is available, and 17-digit precision is always present.
Included with the MP 100 WS Data acquisition system.
BIOPAC Systems, Inc.; 275 Orange Ave., Ste. E; Goleta, CA 93117; 805-967-6615 or 805-967-6043 (fax)

ADControl 2.0
Data acquisition and control software
Macintosh Plus or larger; 1 MB of RAM.

ADControl enables a Macintosh to monitor and control its external environment when used with the ADC-1 Data Acquisition and Control Peripheral. ADControl reads, records, displays and plots data obtained from sensors that respond to environmental changes (temperature, pressure, humidity, CO2, etc.). It acts as a data logger by recording analog measurements in a file for further analysis by spreadsheet or graphing software. ADControl can automatically issue commands to control external devices (appliances, instruments, X-10 modules or electronic equipment) via IF... THEN... ELSE... rules. No knowledge of a programming language is required as rules are quickly defined through menu and dialog activity. ADControl operates in the background under System 7 or MultiFinder, so the Macintosh may be used for other tasks while monitoring continues. Weather measurements, environmental monitoring, energy management, home control, product testing, small-scale process control, agriculture and university, industrial and scientific research laboratories are areas where ADControl is appropriate.
$379 retail
Remote Measurement Systems, Inc.; 2633 Eastlake Ave. E, Ste. 200; Seattle, WA 98102; 206-328-2255 or 206-328-1787 (fax)

Alchemy III
Molecular modeling software
Macintosh II or Quadra; 2 MB of RAM; color monitor; 8-bit color card.

Alchemy III turns a Macintosh into a powerful visual tool for working with three-dimensional molecular structures. Its interactive three-dimensional graphics environment, easy menu and mouse operations, quick building and smooth, real-time rotation combine with fitting, minimization, docking and space-fill functions to deliver molecular science productivity. In Alchemy III, a chemist can build chemically-correct, three-dimensional models easily using atoms and fragments as building blocks. More than 50 fragments are supplied, including the standard amino acids and nucleic bases, and a chemist may add to this collection. Other features include: a built-in energy minimizer to optimize the molecule's geometry using molecular mechanics to find a local minimum; performs least squares fitting between two molecules by sequentially picking a minimum of three linearly independent pairs of atoms; a chemist may adjust the dihedral angles in selected bonds by interactively rotating the bonds using the mouse; a chiral/invert option locates and assigns chiral centers in a molecule by the Cahn, Ingold and Prelog rules, allowing a whole molecule, or just a selected atom to be inverted; generates wireframe models, as well as static ball-and-stick and space-filling displays; and more.
$950 retail
Tripos Associates, Inc.; 1699 S. Hanley Rd., Ste. 303; St. Louis, MO 63144; 314-647-1099, 800-323-2960 or 314-647-9241 (fax)

■ **Artificat**
Archaeological artifact cataloger and analysis tool
Macintosh SE/30 or larger; 4 MB of RAM; System 6.0.2 or later; hard disk drive.

Artificat is designed for Archaeologic consulting firms who currently spend many manhours manually recording the classification of historic and prehistoric artifacts and generating reports and tables. It has menus and data entry windows modeled after the normal logic employed in classifying an artifact. New categories can be added by the user. The generated data tables can also be exported as text files. A large variety of detail and summary reports are available. The artifact provenience data has been designed for a special export to semi-automatically generate 2-D and 3-D charts of the subject site for analysis. A graphic software application, such as DeltaGraph Professional, is required for chart generation. Customization services are also available.
$500 retail; single user
$10 retail; fully-functioning, time-limited single-user demo disk
Power Services of N.E. Inc.; 25462 Calle Jardin; San Juan Capistrano, CA 92675; 714-496-7143 (phone/fax)

AssayZap 2.0
Universal assay calculator
Macintosh 512K or larger.

AssayZap is a universal assay calculator. It offers regression fit to the logistic equation for calculating RIAs, ELISAs and IRMAs. It also includes a unique interactive curve fitting technique that permits all standard curves to be fitted, whatever their shape. Least squares minimization routines for two-parameter log-logit fitting, plus unweighted and weighted four-parameter fit are included. All data may be printed, stored on disk or passed onto other programs for further processing. AssayZap can be customized to a user's

TELEMAGIC – CLIENT/SALES MANAGEMENT DATABASE
MAXSOLUTIONS ---------- (619) 431-7321

96 well plate reader to accept data directly via an RS-232 cable.
$399 U.S. retail
£199 U.K. retail
Free demo available
Biosoft; PO Box 10938; Ferguson, MO 63135; 314-524-8029, 314-524-8129 (fax), 44+223-68622 in U.K. or 44+223-312873 (fax) in U.K.

AssemblyLIGN
DNA sequence assembly
Macintosh Classic or larger; 1 MB of RAM; System 6.0.7 or later.

For molecular biology research laboratories involved in DNA sequencing, AssemblyLIGN allows researchers to build a consensus DNA sequence from a variety of sequence fragments. To use AssemblyLIGN, users enter their fragment data from a DNA sequencing project, search each fragment for vector sequences, locate overlaps and similarity between fragments and generate a consensus sequence in an editable window. Once generated, this consensus sequence can be analyzed using IBI MacVector DNA and protein sequence analysis program, or saved in a variety of file formats, including those used by most VAX-based sequence analysis programs. Several features include: no limit on number of fragments and/or consensus length, finding of overlaps using both strands of a DNA sequence, user control parameters in locating overlaps and the use of a color editor, enabling users to better locate similarity between fragments.
$795 retail
Eastman Kodak Co., Scientific Imaging Systems; Applied Imaging; 25 Science Park; New Haven, CT 06511; 203-786-5600, 800-243-2555 or 203-624-3143 (fax)

Astronomy, Version 3.0
Astronomical plots
Macintosh 512K or larger.

Astronomy produces two astronomical plots in two separate windows. The first window, called Solar System, plots a Pole Star's eye view of the solar system for a given date and time. The second window, called Sky View, plots an image of the heavens as seen by an Earth-bound observer for a given date, time, longitude and latitude. This window also locates the sun, moon, planets, comets and major constellations. Both windows can be "thrown away," recalled, repositioned or resized. Users can also generate detailed enlargements of either window plot by using the program's zoom feature. Accompanying parameter files used in the calculations of planet and star positions can be modified with MacWrite, allowing users to customize the program to suit their own preferences.
$19.95 retail
E&M Software Co.; 1347 E. Desert Trumpet Rd.; Phoenix, AZ 85048; 602-460-0283

Asymptote
Graph-processor
Macintosh Plus or larger; hard disk drive; System 6.0 or later.

Asymptote is a graph-processor that gives users complete control over graph making. Designed to meet the demanding needs of scientists and engineers, Asymptote lets users produce publication-quality plots easily and reads data from ordinary text files. Data can be manipulated with a built-in vector calculator, and Asymptote's advanced scripting language can be used to automate the plotting process. Asymptote is System 7 savvy. It supports Publish and Subscribe and QuickTime. Sophisticated memory management lets users open huge data files and plot as many points as memory allows.
$295 retail; site licenses available
$199 retail; student price
Brains Software; 9445 Bent Rd. NE; Albuquerque, NM 87109; 505-828-9055

AutoElisa
Software for analysis and management of immunoassay data
Macintosh SE or II family; 1 MB of RAM (4 MB recommended); 4th Dimension runtime module; System 6.0 or later.

AutoElisa was designed as a package for computation and management of large sets of enzyme immunoassay data in diagnostic laboratories. The central feature is a novel and rapid "parallel fitting" algorithm, implemented in C code, accessed as an external procedure by the fully relational database 4th Dimension. Unlike commercially available immunoassay analysis software, AutoElisa offers the following advantages: fast processing of large groups of assay plates without editing or intervention by the analyst; error estimates that account for measurement errors of the standards, as well as the samples; optimal outlier identification and rejection; easy retrieval of quality assurance parameters; and easily customized, user-friendly data reporting and import/export.
$300 retail; single department site, academic
$1,000 retail; single department site, non-academic
License agreement required
Office of Technology Licensing; University of California, Berkeley; 2150 Shattuck Ave., Ste. 510; Berkeley, CA 94704; 510-643-7201 or 510-642-4566 (fax)

AxoData 1.2
Data acquisition program
Macintosh II or Quadra; 4 MB of RAM; hard disk drive; floating point processor; Instrutech ITC-16 or National Instruments' NB-MIO-16/X with NB-DMA-8-G or NB-DMA-2800 laboratory interface; System 6.0.7 or later.

AxoData is a program to simultaneously control an experiment and acquire data. It is suitable for current-clamp, voltage-clamp and a variety of other experiments requiring concurrent waveform generation and sweep acquisition. Automation includes a seal test, membrane test, P/N leak subtraction, external triggering and multiple control loops.
$1,000 retail
Axon Instruments, Inc.; 1101 Chess Dr.; Foster City, CA 94404; 415-571-9400 or 415-571-9500 (fax)

AxoGraph 2.0
Data analysis program
Macintosh SE/30 or larger; 2 MB of RAM; hard disk drive; floating point processor.

AxoGraph is a graphical data analysis program suited to the analysis and publication-quality presentation of electrophysiological and other data. AxoGraph reads any binary data files, AxoData or PC files by pCLAMP, AxoTape or AxoBasic. Other text and data file formats are supported. AxoGraph is now fully programmable, supports the creation of complex macros or custom analyses using a built-in interpreter for Basic, C, Fortran or Pascal.
$500 retail
Axon Instruments, Inc.; 1101 Chess Dr.; Foster City, CA 94404; 415-571-9400 or 415-571-9500 (fax)

AxoVideo 2.0
Image acquisition and processing
Macintosh II; 4 MB of RAM; hard disk drive; Data Translation QuickCapture (model DT-2225), Perceptics PixelPipeline or Scion LG-3 board or Photometrics cooled-CCD camera; 8-bit display; color QuickDraw; System 6.0.5 or later.

AxoVideo automates the capture and processing of time-lapse video images, and fluorescence ratioing such as for calcium-sensitive dyes. Acquisition options include averaging, ratio imaging, background subtraction, zone intensity, regions-of-interest, tiled images and time-slice composite images. Image processing options include spatial filtering, contrast enhancement, pseudo-coloring and annotations. A built-in scripting language allows customization of AxoVideo. It also controls shutters, a filter wheel, stage controllers and OMDRs.
$3,000 retail
Axon Instruments, Inc.; 1101 Chess Dr.; Foster City, CA 94404; 415-571-9400 or 415-571-9500 (fax)

Ball & Stick 3.5
Molecular graphics program
Macintosh Plus or larger; 1 MB of RAM; System 6.0.2 or later.

Ball & Stick is a three-dimensional molecular graphics package. It provides high-quality image display and a wide range of features for importing, viewing, editing and outputting publication-quality molecular models. Users can import coordinates from a wide variety of standard structure formats. They can export graphics to drawing, word processing and animation programs via the Clipboard or through PICT files. Customization of virtually every aspect of a molecule is possible: stereo images, mirror images, tonal shading, zooming, clipping and more. New features include mouse-driven, real-time interactive viewing, including rotation and translation of molecules.
$299 U.S. retail
$254.15 U.S. retail; education
Cherwell Scientific Publishing; 15 Auburn Pl.; Brookline, MA 02146; 617-277-4200 or 617-739-4836 (fax)

CAChe WorkSystem
Computer-aided chemistry
Macintosh II or Quadra; 8 MB of RAM; 40 MB of hard disk space; System 7.0.

CAChe Scientific provides a line of computer-aided tools for the prediction and visualization of structure, chemical properties and reactivity designed expressly for the experimental chemist. CAChe facilitates understanding and interpretation of fundamental chemical processes from reaction mechanisms to pharmacophore/receptor site interactions. Reactivity modeling combines both new and established computational chemistry techniques with the latest advances in computer graphics. Transition state searching, frontier orbital docking, conformational analysis and electrostatic interaction visualization are just some of the facets to reactivity modeling. Probing steric interaction of electron isodensity surfaces, direct visualization of electrophilicity and nucleophilicity, graphic display of calculated bond order and bond strain are also important to chemists. The CAChe WorkSystem integrates all of these capabilities in one high-performance desktop workstation. It combines more than 20 times the speed of a MicroVAX II (90 MIPS), the intuitive Macintosh interface and stereoscopic three-dimensional color graphics. It includes a complete suite of CAChe chemistry applications. Software-only products and GroupServer applications are available.

Personal CAChe, a series of software applications that run on a standard Macintosh computer, is an affordable initiation to computer-aided chemistry techniques. It comprises an intuitive input device for three-dimensional manipulation and visualization, a molecule editor, structure optimization, automated conformational analysis, electronic structure prediction and easy connection to commercial and custom molecular databases. CAChe applications are expandable — as chemists prove the value of CAChe techniques, they can incrementally add more advanced software modules and hardware enhancements.

For additional compute performance, CAChe WorkSystem and Personal CAChe can be connected to high-end compute servers via invisible network programs.
$13,500 starting price retail; CAChe WorkSystem
$3,995 starting price retail; Personal CAChe
Substantial discounts for educational institutions available
CAChe Scientific, Inc.; PO Box 500, Mail Station 13-400; Beaverton, OR 97077; 503-627-3737, 800-544-6634 or 503-526-2901 (fax)

CAMAC Subroutine Library
Subroutines for performing CAMAC operations
Macintosh with math coprocessor; System 7.0 or later.

The CAMAC Subroutine Library contains subroutines for performing CAMAC operations using a Macintosh computer and the 3922/2932 CAMAC interface from Kinetic Systems. This library is written in C, Think C and Fortran and contains the following subroutines: caopen, caclos, cam24, cam16, cab24, cab16, cactrl, ccstat, camsg and calam. These subroutines allow CAMAC I/O operations to be performed with single calls. Initialization calls are performed by calling caopen and callos. Single data transfers are performed by calling cam16 and cam24. Block transfers are performed by calling cab16 and cab24. Cactrl, ccstat and camsg perform Status and Control calls. The calam subroutine provides for asynchronous LAM handling via interrupts.
$799 retail
Sparrow Corp.; PO Box 6102; Mississippi State, MS 39762; 601-324-0982 or 601-324-3231 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

Carbon-13 NMR
Chemical shift prediction
Macintosh Plus or larger; 4 MB of RAM; hard disk drive.
Predicting carbon shifts is easy with the Carbon-13 NMR Module. Users simply draw a structure, select it and choose the Calculate C-13 NMR Command. The program then displays the chemical shifts.
$99 retail
SoftShell International, Ltd.; 1600 Ute Ave.; Grand Junction, CO 81501; 303-242-7502 or 800-240-6469 (fax)

Chemical Critical Properties Database
Critical properties for 700 organic compounds
Macintosh Plus or larger; 1 MB of RAM; 800K disk drive; HyperCard 2.1 or ClarisWorks.
Chemical Critical Properties Database contains critical properties for 700 organic compounds, which are often required to estimate other properties, such as density, viscosity, heat capacity or thermal conductivity. Included information consists of critical temperature, volume and pressure, freezing point, boiling temperature and critical compressibility and acentric factors. This information may be exported to other programs, including most popular spreadsheets and word processors. The database is available in HyperCard or ClarisWorks format.
$25 retail
SanSoft; 892 E. Quail Pl.; Highlands Ranch, CO 80126; 303-947-6406

Chemical Inventory And Tracking Essentials 2.1
Tracks chemicals throughout a scientific laboratory
Macintosh Plus or larger.
Chemical Inventory and Tracking Essentials provides software and procedures for tracking chemicals throughout a scientific laboratory. Bar codes are used to improve the efficiency of administration and to insure that all users always have access to accurate information. Users have immediate access to the inventory from their Macintosh or Windows desktop. Searches are performed very quickly by name, formula, location or any other information. Each code is linked to a user-defined on-screen map, showing the exact location (room and cabinet) for that chemical. Additional fields are provided to record amounts, hazards, disposal dates or any other information.
$3,500 retail
WillStein Software, Inc.; 1723 Elmwood Ave.; Wilmette, IL 60091; 708-256-2895 or 708-256-5220 (fax)

Chemical Inventory System
Hazardous materials inventory
Macintosh II for MasterSystem; 4 MB of RAM; hard disk drive; 640 by 480 display. Macintosh Plus for Macintosh Data Collection; 1 MB of RAM; hard disk drive.
The Chemical Inventory System was developed to meet Federal and State regulatory requirements for reporting hazardous materials and is comprised of a master system and two data collection programs. The master system is programmed in 4th Dimension and contains the entire campus hazardous material inventory database and a variety of indices (chemical, building, department). Central to the system is a chemical index or "dictionary" that contains chemicals that are on the "California Lists of Lists." The data collection programs, one for the Macintosh and one for PCs, are simplified versions of the master system and are used by campus personnel to collect and manage individual campus inventories at the location of the chemicals. Text files are generated by these programs and the data can be collected into one program or set to the master system to maintain an accurate centralized database for the campus.
$500 retail; single user, Collection Program
$3,500 retail; single department site, Macintosh Data Collection
$3,500 retail; single department site, Chemical Dictionary Database
$15,000 retail; single department site, Master system plus all above
License agreement required
Office of Technology Licensing; University of California, Berkeley; 2150 Shattuck Ave., Ste. 510; Berkeley, CA 94704; 510-643-7201 or 510-642-4566 (fax)

ChemIntosh
Chemical structures
Macintosh Plus or larger; 4 MB of RAM; hard disk drive.
ChemIntosh is a drawing program designed to create publication-quality graphics for chemical reports and papers. ChemIntosh checks for chemical syntax errors, calulate mass and formula and covert structures into stick diagrams. It is compatible with other Macintosh drawing applications and word processors. It allows users to place commonly-used structures directly on the tool palette for easy access and multiple use. ChemIntosh also offers a simplified user interface that makes it easy to draw chemical diagrams. All the tools are right on the palette. Text editing for captions is done inside the drawing area, next to the graphic, in WYSIWYG. On-screen animation shows changes as users scale, rotate or distort drawings. The program saves multiple preferences under the options menu for one-step changes in size, line width and type specifications. Chemical labels can have unlimited attachment points. A context-sensitive help window is provided, and a help pane reveals keyboard shortcuts. Other features include: an Adobe Illustrator-like PenTool, drawing tools for rings and bonds, an acryclic chain tool that draws in any direction, Bezier curves and arrows, Lewis dots, circled charges, multiple undo commands, restored editing when pasting back from other applications, one-electron arrows, orbitals, rulers, align and space commands, a reduced view option, ovals and arcs and the capability to use any font, style or size of text for captions and labels. ChemIntosh is System 7 compatible. Also available is a sister product for IBM-base computers called ChemWindow, which is Windows 3.1 compatible.
$599 retail
SoftShell International, Ltd.; 1600 Ute Ave.; Grand Junction, CO 81501; 303-242-7502 or 800-240-6469 (fax)

ChemStock
Chemical inventory program
Macintosh Plus or larger; 1 MB of RAM; System 4.1 or later.
ChemStock is a unique stockroom database that lets users track the chemicals they have on hand. Users can quickly check quantities, locations, suppliers and more, using simple standard Macintosh application features. ChemStock can search and sort by chemical name or formula, quickly reducing a structural formula to its molecular formula for searching. ChemStock also alphabetizes from a chemist's point of view; it gives numbers secondary priority, ignores certain characters and orders the entries the way a chemist would. If users are using a general database program, HyperCard or a spreadsheet to manage inventory, ChemStock will import their current files easily.
$199 retail
$149 retail; academic
American Chemical Society; 1155 16th St. NW; Washington, DC 20036; 202-872-4363, 800-227-5558 or 202-872-6067 (fax)

ConvertUnits Pro
Unit conversion
Macintosh Plus or larger; 1.6 MB of RAM; System 6.0.4 or later.
The original ConvertUnits has been completely rewritten to make it even more powerful, yet easier to use. It still has the same comprehensive database of more than 1,500 measurement units organized in a convenient hierarchical format of 100 modes (Length, Volume, Area, Force, etc.) and nine categories (Basics, Electricity, Mechanics, Heat, History, Light & Radiation, Units Costs & Quantities and Whimsy), which include compound units, such as feet:inches: fractions, many physical constants, such as the speed of light (C) and gravitational acceleration (g), world time conversions, English/International number format options and complete control of significant figures and scientific notation. Powerful new features include: System 7 compatibility, streamlined database access by pop-up menus, on-screen prompts, currency conversions, user-editable database allowing new units to be added or old ones removed, customizable automatic conversion table generation, instant access to often used conversions by fully customizable pull-down menu, new import and export options for performed conversions and comprehensive online help.
$44.95 retail
$5 retail; demo disk (amount credited to purchase)
GTA Inc.; #202-1260 Hamilton St.; Vancouver, BC, Canada V6B 2T2; 604-682-6929 or 604-682-2383 (fax)

Counter 2.0
Computer emulation of an expanded mechanical laboratory counter
Any Macintosh.
Counter uses the Macintosh keyboard and mouse to emulate an expanded mechanical point counter. Each time users click a button or type a key, Counter tallies a count for that category. An audible "click" sound is produced each time a count is tallied, and a distinct "alert" tone is generated each time the total tally reaches a multiple of the alert interval. Errors may be subtracted from any category tally and the total simply by switching to the subtract mode. A distinct "subtract" sound is produced to audibly indicate the subtraction. The counter is automatically reset after a record is saved. A multiple clicking sound is generated to indicate the resetting action. Counter features an unlimited number of counts and automatic totaling. The number of records is limited only by disk space. The category names and count data are saved as a tab-delimited text file, which may be opened with any spreadsheet, word processor, statistics or plotting application. It is System 7 compatible.
$100 U.S retail
$35 U.S. retail; upgrade from any version
Pierre Zippi, PAZ Graphics; 18640 Roads End Cir.; Eagle River, AK 99577; 907-696-5702

CSC Chem3D And CSC Chem3D Plus
Molecular modeling and visualization
Macintosh Classic or larger; 1 MB of RAM; System 6.0.5 or later.

Cambridge Scientific Computing, Inc CS

In the biotechnology, chemical, petroleum and pharmaceutical industries, government and education, scientists and engineers use CSC Chem3D/Plus for analyzing and visualizing chemical models. With CSC Chem3D/Plus, users can convert CSC ChemDraw/Plus chemical structures into three dimensions. Users can read and write MDL MOLFILE, Polygen Molecular MOLFILE, Tripos SYBYL MOL and MOL2, Brookhaven Protein Data Bank and Macromodel formats. Complex models of up to 5,000 or more atoms can be viewed, analyzed and manipulated. New features that take advantage of System 7 include: Publish and Subscribe (for sharing data between applications) and context-sensitive Balloon Help. CSC Chem3D Plus contains all of the features of CSC Chem3D and also takes advantage of modeling in color, MM2 energy minimization and molecular dynamics.
$495 retail; CSC Chem3D
$795 retail; CSC Chem3D Plus
Education and government/non-profit pricing available
Cambridge Scientific Computing; 875 Massachusetts Ave., 6th Fl.; Cambridge, MA 02139; 617-491-6862 or 617-491-8208 (fax)

CSC ChemDraw And CSC ChemDraw Plus
Chemical structure drawing standard
Macintosh Classic or larger; 1 MB of RAM; System 6.0.5 or later.
In the biotechnology, chemical, petroleum and pharmaceutical industries, government and education, scientists and engineers use CSC ChemDraw/Plus to produce professional-quality chemical drawings to present their ideas. CSC ChemDraw is designed for chemists, so common chemical notations that are

Cambridge Scientific Computing, Inc

difficult to draw are done automatically. Bonds can appear as normal, dash, hash, wedged hash, bold and wedged lines. Atoms come in any font, size and style and have automatic subscripting and superscripting. Pre-defined templates of 5-8 membered rings, aromatic rings and cyclohexane chairs are included. Other drawing tools include 24 types of arrows, highlighting boxes, orbitals, freehand curves, lone pairs, radical cations, radical anions, plus and minus charges. Multifont, multistyle text editing is included for captions. Other features include front to back ordering of objects, scaling, translation, duplication, rotation, full-page layout and PostScript output. New features that take advantage of System 7 include Publish and Subscribe (for sharing data between applications) and context-sensitive Balloon Help. CSC ChemDraw Plus contains all of the features of CSC ChemDraw and includes color, user-defined templates, support for the MOLFILE format, Standard Molecular Data (SMD) file format and the ability to convert CSC ChemDraw structures to SMILES.
$495 retail; CSC ChemDraw
$795 retail; CSC ChemDraw Plus
Education and government/non-profit pricing available
Cambridge Scientific Computing; 875 Massachusetts Ave., 6th Fl.; Cambridge, MA 02139; 617-491-6862 or 617-491-8208 (fax)

CSC ChemFinder
Searching and information integration
Macintosh Classic or larger; 2 MB of RAM; System 7.0 or later.

Cambridge Scientific Computing, Inc

Handling information pertaining to chemical compounds is critical to scientists and engineers in chemistry. To assist with this task, chemists now have CSC ChemFinder, a software that revolutionizes the way information about chemical compounds is located, displayed and created. CSC ChemFinder seamlessly integrates searching by substructure and other criteria with the drawing tools of CSC ChemDraw and the modeling features of CSC Chem3D. CSC ChemFinder can also efficiently organize chemical information from other sources, such as the Chemical Abstracts database and MACCS. With CSC ChemFinder, users can instantly search for chemical compounds from within standard applications, such as Excel, FileMaker, WordPerfect and SAS JMP, tailoring these applications to specifically meet the needs of chemists. Whether integrated into a customized solution for a company or used by individual researchers to organize chemical compounds, CSC ChemFinder is unique software that helps chemists transform chemical information into discovery.
$495 retail; education and government/non-profit pricing available
Cambridge Scientific Computing; 875 Massachusetts Ave., 6th Fl.; Cambridge, MA 02139; 617-491-6862 or 617-491-8208 (fax)

CSC ChemOffice And CSC ChemOffice Plus
Integrated CSC product family
Macintosh Classic or larger; 4 MB of RAM; System 7.0 or later.

Cambridge Scientific Computing, Inc

CSC has combined its three software products — CSC ChemDraw/Plus, CSC Chem3D/Plus and CSC ChemFinder — into one complete desktop solution for drawing, modeling and information management. CSC products can now be seamlessly integrated with each other to accomplish even more powerful tasks. Users have the convenience of instantly editing graphics in Microsoft Word 5.0, and easily sharing information between CSC ChemOffice and a wide spectrum of other chemistry and desktop publishing software. Support for other file formats include Biosym's Insight II, Molecular Simulations' MOLFILE, Tripos' SYBYL MOL/MOL2, Brookhaven Protein Data Bank and Cambridge Crystal Data Bank, among others.
$995 retail; CSC ChemOffice
$1,595 retail; CSC ChemOffice Plus
Education and government/non-profit pricing available
Cambridge Scientific Computing; 875 Massachusetts Ave., 6th Fl.; Cambridge, MA 02139; 617-491-6862 or 617-491-8208 (fax)

Desktop Microscopist
Interactive problem-solving tool for use in diffraction simulation and analysis
Macintosh with 68020 CPU or larger or Power Macintosh; floating point coprocessor.

Desktop Microscopist is an interactive problem-solving tool, designed to aid crystallographers in interpreting diffraction patterns of inorganic crystals and students in learning diffraction theory. Major features designed to achieve significant time savings by freeing the researcher from tedious analytical tasks include: TEM; SEM; X-RAY; SAD; CBED; BEKP; HOLZ lines; Kikuchi Maps; Stereographic Projections; Diffractometer; Ring Patterns; Forward and Back Laue Patterns; On Line Space Group Tables and Element Information; 2-D and 3-D Lattice Imaging; Defect Analysis; EDD Search Capability; Direct Video Capture; Wyckoff Position Generators for Unit Cells; d-spacing Tables; Angles between Planes Tables; Angles between Directions Tables; Structure Factor Calculations; on-screen Help; multiple windows; color; and Phase Diagram module. Future upgrades will include dislocation image simulation and automatic pattern indexing. Accelerated for the Power Macintosh.
$3,000 retail; educational, network and multiple unit pricing available
Virtual Laboratories; PO Box 14266; Alburquerque, NM 87191; 505-828-1640 or 505-822-9759 (fax)

Diatomic
Molecular mechanics and motion
Macintosh Plus or larger; 1 MB of RAM; hard disk drive recommended.

Diatomic illustrates the translational, rotational and vibrational motions of diatomic molecules. It is an ideal vehicle for classroom lectures and demonstrations, lab assignments or independent study. Classical Mechanics allows users to observe animation of molecular translation, rotation and vibration, either separately or simultaneously; demonstrate vibration and dissociation using a realistic potential energy function; vary initial energies, molecular orientation and speed of motion; and display molecular time clock and numerical energies. Quantum Mechanics allows users to calculate and plot potential energy curves and wave functions; plot energy levels and degeneracies; and choose Morse, Lennard-Jones, harmonic or user-defined vibrational potential energy functions. Statistical Mechanics allows users to plot energy level distributions for as many as six different temperatures for each type of motion; calculate and plot thermal energies, heat capacities, molecular partition functions and entropies as functions of temperature; and display graphs separately or combine modes on a single graph.
$150 retail
Trinity Software; PO Box 960; Campton Common #3; Campton, NH 03223; 603-726-4641, 800-352-1282 or 603-726-3781 (fax)

digiMatic V2.0
Turns graphics into numbers
Macintosh Plus or larger; System 6.0.5 or later.

digiMatic converts graphic information into editable numerical data with a click of the mouse. Extracted data can be saved as tab-delimited text and imported into spreadsheet, graphics or other programs. The program allows users to quickly digitize charts, graphs or plots from existing sources. The resulting X/Y data is displayed with precision to four decimal places and the program supports linear and logarithmic axes. digiMatic greatly enhances the usefulness of scanners and digitizing tablets, although these peripherals are not required. The program will digitize up to 100 separate curves with as many as 1,500 data points per curve and a limit of 5,000 data points per session. Enhanced features give digiMatic the capability to automatically digitize scanned images that are rotated as much as 90 degrees off screen-square. AutoScanning features have been added to Version 2.0 to allow users to automatically recover data points from scanned images of spectral, chromatographic or other such continuous curve data. The program also has features to allow automatic calculation of the area under a section of a curve, can be used to obtain areas of polygons and closed curves and will estimate arc lengths.
$249 retail
Famous Engineer Brand Software; 4855 Finlay St.; Richmond, VA 23231; 804-222-2215 or 804-226-1934 (fax)

The DNA Inspector IIe
Molecular biology
Macintosh Plus or larger; external disk drive or hard disk drive.

The DNA Inspector IIe gives a molecular biologist a complete set of tools for analyzing and manipulating DNA sequences. The program incorporates speech, allowing a single person to rapidly confirm a sequence. Available analysis routines include: enter/edit/confirm DNA sequences and comments; automatically convert downloaded text sequences; recombine up to 10 different DNA fragments with optional inversion; completely customizable restriction enzyme table; search for inverted or direct repeats; search DNA with sequence entered at keyboard or with a fragment of another DNA; complete restriction enzyme analysis of both linear and circular DNAs; base composition analysis, including sliding base composition; homology matrix analysis; extensive open reading frame analysis; M13 shotgun sequence reconstruction; search restriction enzyme database; and more.
$345 retail
Textco; 27 Gilson Rd.; W. Lebanon, NH 03784; 603-643-1471

DNA/RNA Builder V2.0
Molecular modeling and graphics software (color or black and white)
Macintosh Plus or larger.

DNA/RNA Builder is a molecular modeling and graphics software package. Users can create models of double- and single-stranded DNA and RNA Helix starting with a simple listing of the base sequence. Razor-sharp laser images may be output directly to the LaserWriter or pasted into draw- or paint-type programs for further manipulation. Features include: simple character string input (e.g., GGCGAGTC, etc.); color or monochrome output; dreiding or ball and stick models; variable scale and rotation; use standard sets of helix dihedrals, sugar ring puckers and base dihedrals (or user-defined); handles up to 50 bases or 1,200 atoms; and create coordinate data files for use with other programs.

$199 retail
Atlantic Software; PO Box 299; Wenham, MA 01984; 508-922-4352

DSPworks
Signal processing software
Macintosh SE or II family; 1 MB of RAM; hard disk drive; math coprocessor.

DSPworks is a signal processing software package designed for real-time data acquisition, signal analysis and signal generation. DSPworks is completely menu-driven and easy to use. It gives DSP professionals a complete library of built-in DSP algorithms for a variety of data and signal analysis capabilities. Because of DSPworks' intuitive characteristics, the learning curve is minimized. DSPworks is designed with both the novice and experienced user in mind. There are no commands to memorize and learn. General features include: test signal creation; real-time signal acquisition for selected DSP boards; large variety of signal processing functions; complete library of mathematical operations on signals; frequency domain operations; real-time spectral analyzer; real-time oscilloscope; power density spectrum; system estimation; and automatic interface with QEDesign.
$495 retail
Momentum Data Systems; 1520 Nutmeg Pl., Ste. 108; Costa Mesa, CA 92626; 714-557-6884 or 714-557-6969 (fax)

ENVI
Remote sensing image analysis tool
Power Macintosh or Macintosh with 68040 processor recommended; 16 MB of RAM; 20 MB of hard disk space..

Given the growing volume and complexity of remote sensing imagery, earth scientists and others need increasingly powerful software tools that encourage quick data analysis and scientific discovery. ENVI (Environment for Visualizing Images) is an image processing package written entirely in IDL that allows scientists to import, process and analyze any remote sensing data including panchomatic, multispectral and hyperspectral imagery. Spectral libraries and spectometer measurements are also easily processed. ENVI includes sophisticated customization features and an adaptable window interface that allows users to design custom tools to tackle complex image processing problems. Features like array-based image math, user extensibility, advanced 3-D visualization tools and versatile annotation take advantage of IDL Research Systems flagship scientific visualization software, to give scientists the most powerful image processing sysstme available.
$1,500 retail
Research Systems, Inc.; 2995 Wilderness Pl., Ste. 203; Boulder, CO 80301; 303-786-9900 or 303-786-9909 (fax)

EnzymeKinetics 1.4
Analyzes and displays experimental data
Macintosh Plus or larger; 1 MB of RAM; hard disk drive recommended.

EnzymeKinetics is a research tool that analyzes and graphically displays experimental data. Users simply enter the data, and the program does all the work quickly, efficiently and accurately. Version 1.1 also plots the inhibition constants Ki (inhibition of free enzyme) and Kii (inhibition of enzyme substrate complex). EnzymeKinetics accepts as many as 300 data points. Data may now be imported from Beckman DU600 and DU7000 spectrophotometers. Its graphic displays make it easy to spot and remove outliers, edit errors and visually check for conformity to Michaelis-Menten kinetics. Raw data may be transformed into specific activities by conversion from radioactivity counts, optical measurements or by applying a multiplier. Michaelis-Menten kinetic parameters K_m and V_{max} are calculated using the following algorithms: least square fitting after the following transformations (Eadie-Hofstee, Hanes-Woolf and Lineweaver-Burk, with or without weighting); Johansen-Lumry; a numerical version of the direct linear plot; and non-linear regression. Results are displayed in tabular form for easy comparison or graphed in a number of ways.
$125 retail
Trinity Software; PO Box 960; Campton Common #3; Campton, NH 03223; 603-726-4641, 800-352-1282 or 603-726-3781 (fax)

Equilibrium
Chemical equilibrium calculation program
Macintosh 512K or larger; Microsoft Basic Version 2.0.

Equilibrium calculates the equilibrium concentrations for up to 18 species involved in up to 18 reaction equations. The program also calculates the equilibrium-reaction temperature, the heat of reaction (Enthalpy) and the specific heat. The program outputs a list of species names and their equilibrium-molar concentrations. A before and after-reaction pie chart that displays the molar percentages of the mixture can also be produced.
$28 retail
E&M Software Co.; 1347 E. Desert Trumpet Rd.; Phoenix, AZ 85048; 602-460-0283

ESP: Experimental Section Processor 1.1
Keeps track of synthesis data
Macintosh Plus or larger; 1 MB of RAM; hard disk drive recommended.

ESP is an electronic card file that organizes the data users collect whenever they are characterizing new compounds. Each card has fields for entering melting and boiling points; chromatography mobility; H-1, C-13 and heteronuclear NMR; IR, UV-Vis spectroscopy; high- and low-resolution mass spec; elemental analysis; optical rotation; molecular structure; experimental procedure notes; and four user-definable fields. ESP is used just like a notebook. Each time users collect experimental data, they simply enter it into the appropriate fields. As users enter new data, the built-in checklist automatically updates, allowing them to see what they've collected and what remains to fully characterize a compound. When users are ready to write up their work, they just push a button and ESP compiles the data into a publication-ready "experimental section" format, including annotation and punctuation.
$65 retail
Trinity Software; PO Box 960; Campton Common #3; Campton, NH 03223; 603-726-4641, 800-352-1282 or 603-726-3781 (fax)

ESR
First-order isotropic ESR spectrum simulation program
Macintosh 512KE or larger.

ESR is a first-order isotropic electron spin resonance spectral simulation application. All naturally occurring isotopes for the first 103 elements are supported. The program permits a user to define nuclear abundances, spectrometer frequency, line width, spectral width, "g," hyperfine coupling constants and spectral resolution. The on-screen spectrum may be copied to the Clipboard for use with other applications or printed. Spectra may be saved in PICT files, and ESR has the ability to read and write spectral parameter datasets in ASCII files. ESR can simulate up to 24 nuclear spin sets.
$175 retail; 512KE or larger
$245 retail; II, SE/30
Calleo Scientific Software Publishers; 1300 Miramont Dr.; Ft. Collins, CO 80524; 303-493-8573

ESR[a]
First-order powder ESR spectrum simulation program
Macintosh 512KE or larger.

ESR[a] is a first-order powder and solution electron spin resonance spectral simulation application. All naturally occurring isotopes for the first 103 elements are supported. The program permits a user to define nuclear abundances, spectrometer frequency, line width, spectral width, "g," hyperfine coupling constants and spectral resolution. It allows a user to simulate anisotropic "g" and "A" tensors, only anisotropic "g" tensor, or only anisotropic "A" tensors. Powder spectra may be simulated with either Gaussian or Lorentzian line shapes. A user defines the number of integration steps in the solid angle surface integration. The on-screen spectrum may be copied to the Clipboard for use with other applications or printed. Spectra may be saved in PICT files, and the program has the capability to read and write spectral parameter datasets in ASCII files. The program can simulate up to 24 nuclear spin sets.
$225 retail; 512KE or larger
$295 retail; II, SE/30
Calleo Scientific Software Publishers; 1300 Miramont Dr.; Ft. Collins, CO 80524; 303-493-8573

FlexiTrace 2.0
Automatic graph-to-number conversion
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.

FlexiTrace is data acquisition and image analysis software that automatically converts hard copy graphs into numerical data. It will extract the X-Y coordinates or the area of specific regions within any image, including line, bar, area and scatter charts. FlexiTrace is ideal for labs with equipment that give hard copy output. It eliminates measuring hard copy graphs by hand. FlexiTrace allows users to convert a library of paper graphs to computer format or access the numbers behind the graphs in published articles. The graphs may be scanned strip charts or maps, traces from a graphics tablet or any other Macintosh image created in a paint, draw or CAD program.
$249 retail
Tree Star, Inc.; 20 Winding Way; San Carlos, CA 94070; 415-508-9349, 800-366-6045 or 415-508-9186 (fax)

FullPixelSearch
Program for exploring images and identifying regions of interest
Macintosh LC or larger.

FullPixelSearch software allows users to search and find important regions inside TIFF or PICT images on any color-enabled Macintosh. It matches patterns at the pixel level, a function that previously has been available only on mainframe systems. FullPixelSearch allows users to simultaneously author a search routine while viewing an image. Users assemble the search templates either by copying and pasting regions of interest, or pixel by pixel. FullPixelSearch scans the image and records the location of all regions that match the search criteria. Features allow users to: locate regions of interest with extensive control of the search criteria; identify important regions in any image, and define a search based on those regions; save, as separate files, search templates and the location of all matches or finds generated; generate histograms for any selected region of an image and display coordinates and spectral class value for any pixel; specify 100 percent accuracy of the search routine, or relative accuracy at one percent intervals; and generate a "neighbor report" for all pixels of any color, enabling users to quantify the degree of randomness or uniformity in an image.
$895 retail
Avian Systems Inc.; 1275 15th St., Ste. 15G; Fort Lee, NJ 07024; 201-224-2025 or 201-224-2566 (fax)

GC WorkMate 2.0
Gas/liquid chromatography
Macintosh Plus or larger.

GC WorkMate collects and analyzes data in real time from many types of GCs, LCs and autosamplers, including the HP 5890. A variety of hardware is supported, including built-in RS-232 options or third-party A/D converters. Remote control of the keypad on the GC/LC is provided when possible. Peaks are determined either automatically or manually and are reported in a variety of units, including areas, heights, weight percent, mole percent or user-specified units. Calibrations may be internal or external, single or multipoint. A customizable report feature controls the layout of information for both printing and exporting data to other programs (graphics and tables).
$2,500 retail
WillStein Software, Inc.; 1723 Elmwood Ave.; Wilmette, IL 60091; 708-256-2895 or 708-256-5220 (fax)

GC/MS Reader 1.0
Reads and displays files collected with the HP ChemStation for the HP 5890
Macintosh Classic or larger; System 6.0.7 or later.

GC/MS Reader for the Macintosh reads and displays files collected with the Hewlett-Packard ChemStation for the HP 5890 with a Mass Selective Detector. Both the Windows and Pascal versions of the ChemStation are supported; optional software is included to transfer files from the Windows ChemStation. Data and graphics can be exported to the Clipboard or saved to disk. The data can then be included in laboratory notebooks, presentations, etc., that are prepared on the Macintosh. Users may specify a background spectrum for background subtraction, average spectra together,

specify a parent peak and examine a table of abundances.
$250 retail; academic and quantity discounts available
WillStein Software, Inc.; 1723 Elmwood Ave.; Wilmette, IL 60091; 708-256-2895 or 708-256-5220 (fax)

Gene Construction Kit
Plasmid drawing and DNA manipulation tool
Macintosh Plus or larger.

The Gene Construction Kit allows graphic manipulation of DNA sequences and has plasmid drawing capabilities. DNA sequences can be manipulated and represented graphically or as text. Segments can be cut and pasted in either mode and displayed as linear or circular, with user-definable thickness, pattern and color. Restriction enzyme sites can be marked and coding regions or other regions of interest can be indicated. Complete or partial digest gel electrophoresis patterns may be generated and viewed as a gel or as a table. The program keeps track of segment history and can display any generation for any segment. Different views of the construct can be stored with the construct itself and viewed when desired. Comments may be attached to any segment, site, region or whole construct. In the illustration window, multiple constructs, gels or sequence listings can be displayed simultaneously and can be connected with arrows or lines. Text labels, rectangles, round rectangles and circles can be added at any location in an illustration. A file searching module is included that enables the Gene Construction Kit to function as a simple database.
$1,245 retail
$845 retail; Academic discount
Textco; 27 Gilson Rd.; W. Lebanon, NH 03784; 603-643-1471

GeneJockey II 1.0
Sequence processor package
Macintosh with Color QuickDraw in ROM (Macintosh II, Centris or Quadra); 4 MB of RAM; 8-bit color monitor; System 7.0 or later; CD-ROM drive.

GeneJockey is a powerful, user friendly sequence processor package for editing, manipulating and analyzing nucleic acid and protein sequences of any size. It can generate PCR primers, scan nucleic acid sequences to select all possible pairs of oligonucleotides suitable for use as primers, etc. It incorporates a fast analyzer for the Applied Biosystems sequencer. It can accept data from the keyboard or imported as files in other formats. Database search facilities are also provided. Text files can be read from databases, including Genbank, EMBL, etc. GeneJockey i is still available. It is somewhat less sophisticated than GeneJockey II and has an upper limit of 32K on the size of a sequence file. It does not need a color monitor and is a powerful and flexible sequence analyzer.
$1,000 U.S./£500 U.K. retail; GeneJockey II
$499 U.S./£250 U.K. retail; GeneJockey I v1.5
Free demo available
Biosoft; PO Box 10938; Ferguson, MO 63135; 314-524-8029, 314-524-8129 (fax), 44+223-68622 in U.K. or 44+223-312873 (fax) in U.K.

GeneWorks
DNA and protein sequence analysis program
Macintosh LC, II or Quadra; 2 MB of RAM; hard disk drive; CD-ROM reader optional.

GeneWorks protein and nucleic acid sequence analysis software gives scientists great flexibility in analyzing and presenting data. The program includes gel assembly, multiple sequence alignment, composition analysis, primer design, structural prediction circular map displays and location of biologically significant features and regions. Taking advantage of the Macintosh interface, GeneWorks treats each analysis function as a different way of examining a sequence, enabling scientists to view a sequence from several perspectives simultaneously. GeneWorks performs most of its work in a graphic environment, allowing users to manipulate sequence data as text, maps, plots and graphs. Drawing and editing tools and a variety of formatting options allow scientists to produce high-quality color and black and white output for publication and presentation. GeneWorks' database capabilities include searches of nucleic acid and protein data banks on CD-ROM; it allows users to create highly refined databases of sequences relevant to their research.
$2,950 retail
$3,500 retail; includes one-year maintenance
IntelliGenetics, Inc.; 700 E. El Camino Real, Ste. 300; Mountain View, CA 94040; 415-962-7300 or 415-962-7302 (fax)

Grant Tracker 5.0
Research grant account management
Macintosh with 1 MB of RAM

Grant Tracker is a common-sense bookkeeping program for non-accountants to keep track of research grant funds, expenses and personnel. It is equally useful for a departmental administrator who manages many grants for many principal investigators. Many different report formats are available. The manual teaches a user how to set up the accounts, and how to reconcile these accounts with expenditure statements. Users may also do what-if calculations and make projections. Grant Tracker is System 7 compatible.
$399 retail
KCS Software; 927 Mears Ct.; Stanford, CA 94305; 415-493-7210 (phone/fax)

HMO 2.0
Graphics-based Hückel molecular orbital calculator
Macintosh 512K or larger; hard disk drive recommended.

HMO saves users time and eliminates errors by using a graphics-based structure input. It allows users to focus on the results of the Hückel calculations, rather than getting bogged down in entering data. To use HMO, users draw the structure they want to investigate using the simple built-in drawing tools. HMO analyzes the structure, separates the pi electron network, performs the Hückel calculations and displays the results. HMO displays total pi energy, pi electrons, LUMO and HOMO energy and orbitals, charge densities and pi bond orders. Data may also be printed. Structures may have as many as 128 atoms and 64 pi-orbitals. Heteroatoms B, N, O, F, I, Cl and Br are fully supported. However, only P-orbitals are considered for sulfur. Bond and atom parameters may be edited.
$95 retail
Trinity Software; PO Box 960; Campton Common #3; Campton, NH 03223; 603-726-4641, 800-352-1282 or 603-726-3781 (fax)

Horizon
X, Y plotting and numerical analysis
Macintosh Plus or larger; 1.7 MB of RAM; 3 MB of free disk space.

Horizon is a program designed for scientists, engineers and medical researchers to provide a self-contained, easy-to-learn, easy-to-use (and easy to remember how to use) environment to analyze and graph X, Y data. With Horizon, users can readily import nearly any type of text data file produced by other applications; manipulate the data using standard numerical tools, including nonlinear least squares fitting routines; produce scatter or stacked histogram plots; and produce high-quality printed output on any Macintosh-compatible printer. From original concept to final execution, Horizon is a Macintosh application that supports cut, copy, paste and undo; background processing with MultiFinder or System 7.0; WYSIWYG text and graphics editing; color; TrueType plot symbols; PostScript output; and much more.
$430 retail
Star Blue Software, Inc.; PO Box 62173; Manoa DPOBU; Honolulu, HI 96839; 203-498-6043 or 800-622-7274

HyperADC-1
HyperCard data acquisition software for use with the ADC-1 peripheral hardware unit
Macintosh Plus or larger; 1 MB of RAM; two 800K disk drives or hard disk drive; HyperCard; ADC-1.

HyperADC-1 is a HyperCard stack for data acquisition and control tasks that is designed to work with the ADC-1, a peripheral data collection unit. Using HyperADC-1, programmers can create sophisticated application-specific stacks for a broad range of data acquisition areas. Any application that can be enhanced by knowing the current temperature, humidity, river level, pressure, energy consumption, etc., can benefit from the addition of an ADC-1. The HyperADC-1 stack can be operated either with an ADC-1 attached or in a simulated mode. The stack script includes the XCMDs and functions that allow communication with the ADC-1 through the modem port. Control of all ADC-1 features is illustrated within the scripts of cards, buttons and the stack.
$45 retail; HyperADC-1
$489 retail; ADC-1
Remote Measurement Systems, Inc.; 2633 Eastlake Ave. E, Ste. 200; Seattle, WA 98102; 206-328-2255 or 206-328-1787 (fax)

I/O Port System Master Control
Gives users complete control of all input and output parameters for the I/O Port System
Macintosh with 68020 processor or larger; 2.5 MB of RAM; 20 MB hard disk drive; HyperCard 2.X; I/O Port System Bridge; System 6.0.5 or later.

The Master Control software package gives users complete control of all input and output parameters for the I/O Port System with a simple point and click user interface. Master Control also helps users with record keeping, data acquisition, logging, reduction and analysis. Special features like background operation and Apple Desktop Bus interfacing (ADB) multiply the power of I/O Port System products used with the Macintosh computer. There is little impact on ordinary applications, like spreadsheets and word processing, and pass-through ADB connectors give users full use of their keyboard, mouse, graphics tablet, etc., all while monitoring and controlling real world devices. Master Control also has the flexibility to run attended or unattended. It includes background INIT, desk accessory for viewing log file and HyperCard stack front-end to create and test a user's application.
$299 retail
Ansan Industries, Ltd.; 4704 American Rd.; Rockford, IL 61109; 815-874-6881

IDAC-A-Stac
Data acquisition
Macintosh Plus or larger; 1 MB of RAM; two 800K disk drives or hard disk drive; IDAC/1000 Peripheral; HyperCard.

IDAC-A-Stac is a HyperCard-based data acquisition system that uses index cards for organizing information. Users select the data acquisition function for execution, and IDAC-A-Stac puts all the information at their fingertips. Users can collect and explore large amounts of information very quickly. Users simply add a card for each data acquisition task and click on a button. The program puts the type of data acquisition function performed into the card, collects the data, puts it into the results portion of the card and then allows users to enter a description for that particular card. For each data acquisition exercise, users start a new card in the stack. IDAC-A-Stac can be used to start a long data acquisition run, exit HyperCard and do other work for several hours and then come back into HyperCard and retrieve all the data that was collected by the IDAC/1000 data acquisition peripheral. Users can then search through the HyperCard stack for specific data on cards, print the results, move the data to other programs for analysis, etc. IDAC-A-Stac is based on the IDAC/1000 RS-232C data acquisition peripheral.
$75 retail
IDAC, Inc.; PO Box 397; Amherst, NH 03031; 603-673-0765 or 603-673-0767 (fax)

IDL
Complete scientific computing environment
Macintosh with 8 MB of RAM; 11 MB of free hard disk space.

IDL is a complete, integrated computing environment for data analysis, visualization and custom application development. More than 15,000 users in laboratories, universities and commercial institutions worldwide take advantage of IDL's comprehensive capabilities, spending only hours or days writing programs and complete applications rather than the weeks or months required in traditional languages like C or Fortran. IDL features include: an array-based, 4th generation language (4GL) for quickly prototyping new ideas; a built-in toolkit for developing custom MOTIF, Macintosh OS and Microsoft Windows graphical user interfaces; Numerical Recipes mathematical routines; an integrated statistics library; built-in gridding routines; and data display capabilities ranging from XY plots to volume visualization. The recent addition of HDF, CDF and netCDF — data formats critical to mission success at organizations like NASA — highlights Research Systems' commitment to

These Products Available Through Bottom Line Distribution
1-800-347-1923

expanding the breadth of IDL to advance important research efforts.
$1,500 retail
Research Systems, Inc.; 2995 Wilderness Pl., Ste. 203; Boulder, CO 80301; 303-786-9900 or 303-786-9909 (fax)

Igor
Graphing and data analysis
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 4.2 or later.

Igor is an interactive environment for experimentation with scientific and engineering data and for the production of publication-quality graphs and page layouts. Igor allows multiple data sets of any length to be displayed in any number of graphs and tables. In graphs, each curve has its own color, line size and style. Page layouts present graphs, tables, text annotation and PICTs. Fonts, type sizes and styles can be mixed in axis labels and annotation. Analysis includes Fourier transforms, curve fittings to built-in and user-defined functions, histograms, integration, differentiation and mathematical expression evaluation. Igor includes a structured macro language that allows automation of importing, analysis, printing and other operations. Igor is extensible by C programmers using the optional External Operations (XOP) Toolkit. XOPs supplied with Igor allow serial port and GPIB communications, importation of Cricket Graph and Excel data files.
$295 retail
WaveMetrics; PO Box 2088; Lake Oswego, OR 97035; 503-620-3001 or 503-620-6754 (fax)

Inorganic Qualitative Analysis
Simulation utilizing video images
Macintosh II or larger; 4 MB of RAM; hard disk drive; color monitor.

This new Macintosh version has all the features that have made the DOS version of Inorganic Qualitative Analysis so very popular with both students and teachers. Designed to supplement the wet lab experience, this program simulates the laboratory study of seven inorganic cations and four anions. Students may add reagents, heat, centrifuge or decant their samples, then draw conclusions based on their observation. In this unique program, the results are displayed as full-color digitized video images. The program generates unknowns randomly from seven cations (Mg2+, Ni2+, Cr3+, Zn2+, Ag+, Pb2+, Na+) and four anions (Cl,- I-, SO42-, NO3-). Unknowns may be selected from any of five levels of difficulty. In the Explore Reactions mode, students may simulate a lab experiment or check lab results by recreating the experiment in the simulation.
$150 retail
Trinity Software; PO Box 960; Campton Common #3; Campton, NH 03223; 603-726-4641, 800-352-1282 or 603-726-3781 (fax)

IPLab Gel
Allows users to perform gel analysis and densitometry functions
Macintosh II, Quadra or Centris; 2 MB of RAM (4 MB recommended).

IPLab Gel provides scientific Macintosh users with the ability to perform gel analysis and densitometry functions. One- and two-dimensional analysis techniques allow users to analyze dot blots or bands, report density statistics, identify peak positions and calculate peak values. IPLab Gel reads standard PICT and TIFF files and performs all processing and analysis on the full dynamic range of the original data to give maximum accuracy.
$750 retail
Signal Analytics Corp.; 440 Maple Ave. E, Ste. 201; Vienna, VA 22180; 703-281-3277 or 703-281-2509 (fax)

IPLab Spectrum
Scientific image processing and analysis software
Macintosh II or Quadra family; 2 MB of RAM (4 MB recommended)

IPLab Spectrum software supports a wide range of products for scientific imaging, visualization, analysis and laboratory automation. Applications include microscopy, low-light imaging, bio-medicine, astronomy, remote sensing and others. IPLab specializes in displaying and analyzing data with more than 8 bits per pixel and in supporting a wide variety of frame grabbers and camera systems. With IPLab, users can: acquire and process 16-bit gray-scale and 24-bit color images; automatically analyze particles; perform FFTs, image enhancement, densitometry and morphometry; compute ion ratios; and acquire, deconvolve and display 3-D serial sections. Users can control lab equipment, such as motorized stages, filter wheels and camera systems. IPLab reads image files in PICT, TIFF, text and raw binary formats. Users can also use IPLab as a development environment for new algorithms by adding their own code written in C or Pascal. Custom software development is also available from Signal Analytics.
$1,200 retail; hardware support options priced separately (includes one year updates)
Signal Analytics Corp.; 440 Maple Ave. E, Ste. 201; Vienna, VA 22180; 703-281-3277 or 703-281-2509 (fax)

ISIS/Base
Chemical database searching
Macintosh with 68020 microprocessor or larger; 5 MB of RAM (8 MB recommended for running multiple ISIS products); 2.25 MB of free memory; hard disk drive; System 6.0.7 or later.

With ISIS/Base, users discover a powerful new window into their chemical information. ISIS/Base, in conjunction with ISIS/Draw, a chemically intelligent drawing package, is used to store, search and retrieve structures from local databases containing all of a user's valuable research information. Or it can be used with ISIS/Host to access multiple databases stored on remote, networked hosts. The ISIS/Base tools let users easily create custom displays of retrieved text and chemical graphics, allowing users to view data in a way that makes sense to them. Users cut displays from ISIS/Base and, using their favorite application program, paste them into documents, spreadsheets and presentations. ISIS/Base is one of a series of programs that make up ISIS, the Integrated Scientific Information System.
$4,000 retail
MDL Information Systems, Inc.; 14600 Catalina St.; San Leandro, CA 94577; 510-895-1313, 800-635-0064 or 510-483-4738 (fax)

ISIS/Draw
Chemically intelligent drawing package
Macintosh with 68020 microprocessor or larger; 5 MB of RAM; 1.7 MB of free memory; hard disk drive; System 6.0.7 or later.

ISIS/Draw is a chemical drawing package that understands chemistry. To ISIS/Draw, a letter is an atom with valence limits; a line is a bond that attaches at correct lengths and angles; and the double bonds of aromatic ring systems are dynamic, changing with attachments made to the ring. Such chemical intelligence, unique among chemical drawing programs, allows scientists to draw structures and reactions rapidly and intuitively, saving time and effort. Structures cut and pasted between ISIS/Draw and other applications retain chemical intelligence, making it easy to share and edit chemical drawings. And, users get more than just an image with ISIS/Draw. Because the molecules or reactions users draw have chemical significance, users can use these sketches to query structure databases.
$495 retail
MDL Information Systems, Inc.; 14600 Catalina St.; San Leandro, CA 94577; 510-895-1313, 800-635-0064 or 510-483-4738 (fax)

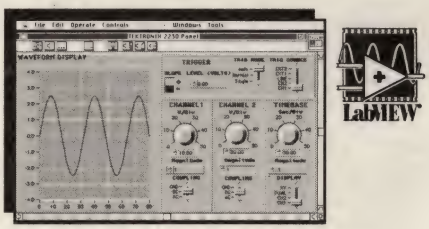
Kinetic, EBDA, Ligand, Lowry (KELL) Release 2
Radioligand binding analysis programs
Macintosh Plus or larger; 1 MB of RAM.

KELL is a collection of radioligand binding analysis programs: Kinetic, EBDA, Ligand and Lowry. Kinetic calculates association and dissociation rate constants for radioligands using a weighted non-linear iterative curve fitting technique. EBDA and Ligand are for analyzing equilibrium studies. Lowry calculates protein concentrations measured by the standard technique of Lowry et al (1951). A hyperbolic equation is used to fit the standard curve and calculate concentrations of unknown samples. The program comes with a PC manual supplemented by an on-disk Macintosh tutorial and sample files.
$299 U.S. retail
£149 U.K. retail
Biosoft; PO Box 10938; Ferguson, MO 63135; 314-524-8029, 314-524-8129 (fax), 44+223-68622 in U.K. or 44+223-312873 (fax) in U.K.

Kmax ver. 5.0
Data acquisition and analysis, instrument control
Macintosh with math coprocessor; System 7.0 or later.

Kmax features event-triggered data acquisition and event-by-event data recording with advanced tools for replay, sorting, two- and three-dimensional visualization capabilities and custom control panels. A user needs no formal programming experience to set up and execute a data acquisition task. The "Command Sequence Language" provides complete control over the data acquisition process, including instrument module I/O. Command sequences can be written in a robust scripting language, and the XCMDs and XFCNs allow a user to install special analysis and data acquisition routines. Special "Module Description Resources" contain detailed information about each instrument module in the data acquisition system. Kmax has support for the following: CAMAC, GPIB, VME, VXI and other high-level industry standard instrumentation.
$2,495 retail
Sparrow Corp.; PO Box 6102; Mississippi State, MS 39762; 601-324-0982 or 601-324-3231 (fax)

LabVIEW
Complete graphical programming system with built-in compiler for data acquisition, analysis, presentation and instrument control
Power Macintosh or any Macintosh with a coprocessor; 8 MB of RAM; hard disk drive; System 6.0.4 or later; 32-bit QuickDraw.



LabVIEW (Laboratory Virtual Instrument Engineering Workbench) is a graphical programming system for instrumentation. LabVIEW features a unique icon-based compiled programming language and user front panel interface for engineering and scientific applications. Users can build interfaces that make it quick and easy to train operators to use the software. Users program these virtual instruments (VIs) by building block diagrams. Users can acquire data from GPIB, VXI, RS-232 instruments, or from National Instruments plug-in data acquisition boards. Users can control more than 400 instruments by the ready-to-use icons in the Instrument Library. Analysis functions in LabVIEW include statistical processing, array manipulation and digital signal processing. Application areas include process monitoring and control, laboratory automation, instrument control, manufacturing automation, automated test, signal processing, simulation, design and classroom instruction. Users can execute complete VIs with run-time systems for run-only test stations or use the LabVIEW Application Builder to create stand-alone executables for distribution. Also available is the Test Executive Toolkit, a powerful, flexible package for automated sequencing of test programs. LabVIEW applications are compatible with LabVIEW running on Windows-based PCs and Sun SPARCstations. A native version for Power Macintosh is available.
$1,995 retail
$495 retail; LabVIEW Run-Time System (requires 4 MB of RAM)
$995 retail; Application Builder
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

Lazy 2.0
X-ray and neutron powder diffraction simulator
Macintosh Classic II or larger; 2 MB of RAM; hard disk drive; System 6.0 or later.

Lazy will calculate powder diffraction patterns for X-ray, synchrotron or neutron radiation. It is derived from the mainframe program, but the Macintosh interface makes it easy to set up the data and plot the results. Users simply point to the crystal symmetry and select from the list that unfolds. Users then point to one of the proposed space groups, to the radiation, to the diffraction technique, etc. The only thing users need to type is the atom coordinates. Users can even avoid that if they construct a library of structures. Users can then point to one of the structures to call up the coordinates, which can be edited to create a new structure. High-resolution plot output on LaserWriters and color printers can also be saved as PICT files. A fully-functional, free demonstration version is available.
SF600 (~$400) retail
X-Ray Crystallography Dept.; University of Geneva; 24 Quai Ernest-Ansermet; CH-1211 Geneve 4, Switzerland; (41) 22-781-21-92 (fax)

MacImdad
Molecular modeling software
Macintosh with math coprocessor; 4 MB of RAM; System 6.0 or later.

MacImdad is powerful, yet easy-to-use molecular modeling software, created to enable scientists to view, analyze and print macromolecules. Interactive viewing of molecules is now possible in a way that previously required a workstation. MacImdad features an enhanced user interface, providing easier access to powerful functions, such as rotation, animation and superimposition of molecules, and building molecules from sequence. MacImdad also provides easy access to all known crystal structures through an included database (from the Brookhaven Protein Data Bank), and also allows importation of coordinates of new structures, which are not yet in the database. With MacImdad, users may also create drawings or color slides to enhance presentations and publications.
$2,950 retail
Molecular Applications Group; 445 Sherman Ave., Ste. T; Palo Alto, CA 94131; 415-473-3030, 800-229-7382 or 415-473-1795 (fax)

MacMendeleev 2.1
Program for exploring the periodic table
Macintosh Plus or larger; 1 MB of RAM; hard disk drive recommended.

As students begin their study of chemistry, they often find it difficult to appreciate the utility of the periodic table with its jumble of symbols and numbers. MacMendeleev helps them by putting all the information at their fingertips, and then offers a number of ways to explore elements and their properties. MacMendeleev will display a summary listing of more than 40 properties for any element. Selecting a property reveals its definition and source of the data. As many as six of these listings may be opened at any time for easy comparison. In addition, any two properties may be viewed on an XY plane, and any number of properties may be compiled into a tabular listing — the more traditional way of comparing properties of elements. Students can query the database for any selected range of elements and properties, which are displayed as a listing, a chart or a three-dimensional graph. Summary charts and graphs may be printed, and the database may be edited or modified.
$75 retail
Trinity Software; PO Box 960; Campton Common #3; Campton, NH 03223; 603-726-4641, 800-352-1282 or 603-726-3781 (fax)

MacSat II
Weather satellite image acquisition and processing system
Macintosh LC or larger; 4 MB of RAM; 40 MB hard disk drive.

The MacSat system enables live satellite images to be displayed, processed and analyzed on a Macintosh. Having received and translated the satellite emission, MacSat stores the pictures at a resolution of 800 by 800 pixels, each of which may be displayed at one of the 256 gray levels. MacSat can color images, highlight features and contrast images. Automatic coloring according to temperature is possible in some cases. Horizontal and vertical lines can be used to pinpoint exactly the reading of each pixel (point). The MacSat may receive images from a variety of different free commercial weather satellites. The latest version of MacSat can automate many of the image acquisition processes. MacSat can be left to receive images from many satellites without user intervention.
$5,995 retail; MacSat Professional System
$3,995 retail; MacSat Junior WeatherSat Education System
$4,500-6,500 retail; MacSat Marine System
Computer Dimensions; 6465 Calder Ave., Ste. 103; Beaumont, TX 77706; 409-866-8378 or 409-866-4280 (fax)

MacSqualor
Simulated qualitative organic analysis
Macintosh 512K or larger; hard disk drive recommended.

A simulation of the qualitative analysis laboratory, MacSqualor is designed to supplement a student's wet laboratory experience. Students choose from a list of more than 90 "unknowns." They have 5 mL or 5 g of the compound and 1,200 points to "spend" on tests. As in the lab, they may perform tests in any order and review the results as often as they like. They may choose from among 24 classification tests and 18 derivative forming reactions, or record the physical data, look at the elemental analysis or view the IR and NMR spectra, as they try to identify the unknown. Test results are generally reported in terms of visible observations, rather than as right or wrong, requiring students to apply the same deductive reasoning they would in the lab. Similarly, physical data are reported as ranges of numbers.
$165 retail
Trinity Software; PO Box 960; Campton Common #3; Campton, NH 03223; 603-726-4641, 800-352-1282 or 603-726-3781 (fax)

MacTrace
Graphical user interface for the accelerator simulation program TRACE 3-^D
Macintosh Plus or larger (FPU recommended); 1 MB of RAM (4 MB recommended); System 6.0.5 or later.

MacTrace is a sophisticated graphical user interface for use with the particle beam optics program TRACE 3-D utilized in accelerator physics modeling. Each of the 16 types of transport elements available in TRACE 3-D, as well as the initial and final beams, are represented by icons on a palette. The configuration of a beam line is set up by selecting and dragging the desired icons to a model window. Parameter values are entered into data windows for each element in the beam line. MacTrace takes care of setting up all arrays and similar book keeping. There is a minimal amount of alpha-numeric (keyboard) input used for setting parameter values, and no text or command line input is required. Expert system rules are built into the data input windows to assist users in assigning parameter values. MacTrace is fully integrated with TRACE 3-D and runs stand alone on a Macintosh.
$949 retail
The MACcelerator Project; PO Box 2813; Del Mar, CA 92014; 619-677-0133 or 619-677-0079 (fax)

MacVector
DNA and protein sequence analysis
Macintosh Classic or larger; 1 MB of RAM; System 6.0.7 or later.

MacVector gives molecular biologists and biochemists more than 100 different DNA and protein sequence analysis options in one complete package. It enables researchers to analyze their sequence data on their laboratory Macintosh without resorting to the institutional VAX or mainframe. Some of the different analysis options available include: restriction enzyme analysis, primer design, locating protein coding regions, protein translation, secondary structure plots, sequence comparisons and access to the Entrez: Sequences database CD from NCBI. Once completed with the analysis, all results are in either text or PICT format, which can be edited using drawing or word processing programs.
$2,495 retail
Eastman Kodak Co., Scientific Imaging Systems; Applied Imaging; 25 Science Park; New Haven, CT 06511; 203-786-5600, 800-243-2555 or 203-624-3143 (fax)

MassSpec 3.0
Graphics-based mass spectrum analyzer
Macintosh 512K or larger; hard disk drive recommended.

MassSpec helps eliminate the time-consuming and error-prone methods of correlating structure fragments to peaks observed in a mass spectrum. Users select the components from the Tools Palette to build their structure. MassSpec then generates a database of fragments resulting from bond cleavages up to three at a time. Users enter a mass number from their spectrum or from the list the program has created. MassSpec shows users the possible fragments and highlights them on the user's structure one at a time. It also displays information on isotope peaks, peaks arising from the gain or loss of one hydrogen and relative isotopic abundances (M+1...M+20) for all non-isotopic fragments. Structures with a molecular weight of 2,417 or less may be entered in the standard version. However, a second "Fast MassSpec" version is now included. This version requires a math coprocessor and is about twice as fast as the standard version. In addition, all molecular weight restrictions have been eliminated.
$125 retail
Trinity Software; PO Box 960; Campton Common #3; Campton, NH 03223; 603-726-4641, 800-352-1282 or 603-726-3781 (fax)

MassSpec.EXT
Uses a standard table of elements and atomic weights to compute fragment masses
Macintosh Plus or larger; 1 MB of RAM; hard disk drive recommended.

MassSpec uses a standard table of elements and atomic weights to compute fragment masses. However, in many areas of research there is a distinct advantage to representing structures in terms of units of a higher order than atomic elements. For example, nucleotides might be represented as letters and peptides by three letter amino acid residue names. Cleavages that preserve the identity of these basic building blocks are of the greatest interest in mass spectrometric identification and sequence determination. MassSpec.EXT implements this approach by allowing users to replace the element database with a table containing the appropriate names and masses of the building blocks used to make oligomeric structures. Users don't have to draw the molecular structure for a polypeptide — simply enter its three-letter designation. MassSpec.EXT is shipped with an amino acid database. Other special databases may be easily added by using the MassSpecEdit program.
$150 retail
Trinity Software; PO Box 960; Campton Common #3; Campton, NH 03223; 603-726-4641, 800-352-1282 or 603-726-3781 (fax)

Molecules V6.2
Molecular modeling and graphics (color or black and white)
Macintosh Plus or larger.

Molecules is a productivity tool for visualizing stereochemistry of compounds using angles and distances or cartesian coordinates. Coordinates calculated on a mainframe, crystallography data or structures from the literature may also be used. Features include the ability to perform relative non-bonded energy calculations with various standard or user-defined parameter sets and the ability to rotate the structure to any arbitrary viewing angle, with variable scale and origin. It handles up to 1,000 atoms. Users can generate space filling atom or Dreiding model representations, shaded and "billiard ball" solid atoms. Users can create, edit and save molecular data files and user-defined wildcard atoms. Graphical output may be printed on a LaserWriter or pasted into draw- and paint-type programs.
$249 retail
Atlantic Software; PO Box 299; Wenham, MA 01984; 508-922-4352

N.N. Charge V1.0
Neural network-based program for computing atomic partial charges
Macintosh Plus or larger.

N.N. Charge is a neural network-based program for computing atomic partial charges in neutral, covalent molecules. Users can compute atomic partial charges

These Products Available Through Bottom Line Distribution
1-800-347-1923

using one of the parameter sets supplied with the program, or new parameters can be generated. Users can create new parameters using databases of charges from model compounds reported in the literature, or start with their own set of calculated charges. Parameters may be learned, refined and saved for future use. The program incorporates an easy-to-use mouse-activated command structure, with user friendly pull-down menus and online help screens. It will handle up to 15 atom types, and learning databases containing up to 50 molecules.
$199 retail
Atlantic Software; PO Box 299; Wenham, MA 01984; 508-922-4352

NanoVision
Molecular presentation graphics
Any color Macintosh; 2 MB of RAM (4 MB recommended); hard disk drive.

NanoVision makes top-quality molecular images easy and affordable. Users can visualize molecules containing up to 32,000 atoms, create publication-quality images and slides and produce smooth-motion animation. NanoVision reads popular file formats, such as Cartesian, Chem3D Cartesian, Alchemy II, Moldat, Brookhaven PDB and others, making it an ideal addition to other molecular modeling applications or to high-end workstation-based systems. In addition to large model capacity, NanoVision offers excellent speed and special clipping and coloring capabilities to selectively view or hide parts of a model that obstruct investigation. Amino acids can also be manipulated individually or in groups, based on protein chemistry information retained from imported files. Users can display the skeletal backbone or isolate prosthetic groups with a click of the mouse. Screen images can be converted into hard copy by adding text and labels, saving the image as a PICT file and copying it into a word processor document.
$295 retail
$265 retail; academic
American Chemical Society; 1155 16th St. NW; Washington, DC 20036; 202-872-4363, 800-227-5558 or 202-872-6067 (fax)

NEDlab
2.5-D electromagnetic PIC code with graphical user interface
Macintosh with FPU; 4 MB of RAM; System 6.0.5 or later.

NEDlab (Numerical Electrodynamics Laboratory) is a 2.5 dimensional, cylindrical or Cartesian geometry, particle and field simulation program featuring a GUI for highly interactive problem solving. Complex conductor geometry may be input by NEDlab's graphical draw/paint tools, from scans or other commercially available drawing packages. Field solutions are LaPlace, Poisson, Poisson-Boltzmann (for plasma sheath extraction problems) or time-domain Maxwell equations. Particles are treated with multispecies particle-in-cell, ray trace or fluid modules. The ray-trace and fluid algorithms may be iterated to self-consistency between applied fields and self-fields of the particles. Integrated plotting capability and help screens are readily available from menus. NEDlab has been applied to electron guns, positive and negative ion sources, rf tubes, accelerator cavities and other problems. A 60+ page manual describing algorithms and software usage, along with example files, is included.
$1,849 retail
The MACcelerator Project; PO Box 2813; Del Mar, CA 92014; 619-677-0133 or 619-677-0079 (fax)

Nemesis
Molecular modeling
Macintosh II family; 4 MB of RAM; hard disk drive; 12-inch or larger color monitor; System 6.0 or later.

Nemesis provides molecular modeling to users of desktop computers. Using the visual intuitive interface of Nemesis, entry-level molecular modeling is easy. Users can build and edit three-dimensional structures on screen, from an extensive library of minimized fragments, and create structures quickly and much more easily than with plastic models. Users can manipulate structures in 3-D and display as stick, ball and stick or space fill models; and visualize the geometry and shape of molecules in a variety of styles, all with depth-cueing. Calculation of partial charges is possible using the Charge-2 program. Users can examine the charge distribution and polar properties of molecules, including dipole moments. Dot surfaces can also be generated and colored either by atom type or by electrostatic potential. The COSMIC force field provided with Nemesis enables users to perform energy calculations, extensive conformational analysis and minimization. An inorganic database containing approximately 100 different crystal structures is available as an optional extra for investigating crystal structures.
Call for pricing
Oxford Molecular Inc.; 7005 Backlick Ct., #200; Springfield, VA 22151; 703-658-4854 or 703-658-4887 (fax)

NI-488.2 Software
Simplifies programming National Instruments Macintosh-to-IEEE 488 interfaces
Any Macintosh.

NI-488.2 is a software package that simplifies programming National Instruments Macintosh-to-IEEE 488 interfaces that function as GPIB controllers with complete communication and bus-management capabilities. The software installs as a loadable device driver and includes more than 50 GPIB-related routines and functions, eliminating the need for users to understand how to program the hardware. Operations include Talker, Listener, Active Controller and System Controller. NI-488.2 high-level functions and routines simplify interfacing to GPIB instruments and shorten development time. Low-level functions and routines offer a means of optimizing system performance or interfacing to special devices. The driver can be linked to application programs through language interfaces for Microsoft QuickBasic, Lightspeed C and MPW C. The software includes a HyperTalk language interface and HyperCard stacks to interactively develop instrument control applications. It is compatible with LabVIEW graphical instrumentation software.
Included with IEEE 488 plug-in boards for Macintosh computers
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NI-DAQ Software
Driver software for National Instruments NB Series data acquisition boards
Power Macintosh or Macintosh LC family or NuBus; NB and LC Series Boards.

NI-DAQ provides high-level software modules for developing data acquisition applications with the NB and LC Series Boards in a Macintosh computer. Functions of these boards include analog-to-digital (A/D) and digital-to-analog (D/A) conversion, digital input and output (DI/O) and timing input and output (TI/O). With one or more of the personal instrumentation boards installed, a Macintosh can become a personal laboratory, with the capability for real-world analog and digital measurement and control. The NI-DAQ for Macintosh software package is an essential ingredient for this system because it eliminates the low-level programming task and integrates, in a user-friendly fashion, the hardware capabilities with the high-level application programming environment of a user. A user can begin developing application software immediately since the package contains a set of routines callable from any language that supports system toolbox device manager calls. Language interfaces for MPW C, Think C, Think Pascal and QuickBasic are provided. It is compatible with LabVIEW graphical instrumentation software.
Included with data acquisition boards
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NI-DSP Software
Digital signal process software library
Power Macintosh or NuBus; NB-DSP2300, NB-DSP2301 or NB-DSP2305 digital signal processing plug-in board.

NI-DSP is a high-level, ready-to-go digital signal processing (DSP) software library for Macintosh NuBus computers. Scientists and engineers can use NI-DSP to develop real-time digital signal and data processing applications on the company's NB-DSP2305, NB-DSP2301 and NB-DSP2300 boards. NI-DSP includes a high-level software library of 32-bit, single-precision, floating-point analysis functions for Fourier and spectral analysis, digital filtering, waveform generation, statistical analysis, vector and matrix algebra and numerical analysis for the TI TMS320C30 DSP chip on the NB-DSP2300 board. NI-DSP transparently handles memory management on the boards and transfers data between the boards and computer memory without any added functions from application programs. In addition, serial data from the company's two- and four-channel dynamic signal acquisition boards can be sent over the Real Time System Integration (RTSI) bus directly to NB-DSP230X series boards while the Macintosh is currently using the bus. It is compatible with LabVIEW graphical instrumentation software.
Included with DSP plug-in boards for NuBus computers; available in Think C, MPW C and LabVIEW VI Library form
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NI-VXI Software
Simplifies programming VXI with C or LabVIEW
Power Macintosh or NuBus.

NI-VXI is a software package that simplifies programming VXI-NB2040 and VME-NB2040 MXIbus-based interface kits with C or LabVIEW. It features intuitive graphical tools for interacting with and learning about VXI, comprehensive high-performance routines for programming VXI using the Think C programming language or LabVIEW graphical instrumentation software, including a LabVIEW VXI Virtual Instruments Library to simplify graphical programming with LabVIEW. NI-VXI includes a Resource Manager, an interactive VXI Resource Editor, a comprehensive library of software routines for VXI programming and a VXI Interactive Control program for interacting with and learning about the VXIbus. NI-VXI includes support for multiple mainframe configurations. Programs developed with NI-VXI for Macintosh are compatible with NI-VXI programs for many other VXI controller platforms.
$995 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NMR"
Second-order isotropic NMR spectrum simulation program
Macintosh 512KE or larger.

NMR" is a second-order nuclear magnetic resonance spectral simulation application. All naturally occurring isotopes for the first 103 elements are supported. NMR" permits a user to define nuclear abundances, spectrometer frequency, resonating nucleus, line widths, spectral width, tick-mark spacing and both scalar and dipolar coupling constants. The on-screen spectrum may be copied to the Clipboard for use with other applications or printed directly via the ImageWriter or LaserWriter. Spectra may be saved in PICT files, and NMR" has the capability to read and write spectral parameter datasets in ASCII files. NMR" can simulate up to six nuclear spins (512KE) or up to eight nuclear spins (2 MB memory).
$275 retail; 512KE or larger
$375 retail; II, SE/30
Calleo Scientific Software Publishers; 1300 Miramont Dr.; Ft. Collins, CO 80524; 303-493-8573

Numerical Recipes
Scientific computations
Any Macintosh.

Numerical Recipes software contains more than 300 routines in all areas of scientific computing. They are designed for incorporation into a user's programs. Operation of the programs is described in "Numerical Recipes: The Art of Scientific Computing," published by Cambridge University Press.
$39.95 each retail; Numerical Recipes (specify Fortran or C)
Cambridge University Press; 110 Midland Ave.; Port Chester, NY 10573; 800-431-1580

Parametric Application Template
Highly intelligent programmers interface for parametric equation evaluation
Macintosh Plus or larger; System 6.0.2 or later.

Parametric Application Template is a well-developed and time-tested application template for Microsoft QuickBasic. These interfaces allow programmers to create user-friendly parametric applications for math and science in very little time. If the extended time of application development frustrate users and incideous runtime errors are intolerable, the Parametric Application Template is for them. Many features may be included in an application in record time. These features include multiple pull-down menus, Parametric Graphical User Interface, interactive edit field design, case-sensitive parametric interface, file formatting and I/O, error trapping and recovery, sound synthesizer, buttons, switches, dialogs and editing. Not for the novice; these templates require experience to use and compile. The interfaces are intended for algorithm evaluation.
$199 retail
Critical Path Design Sciences; PO Box 43; Oceanside, CA 92049; 619-439-4564

Parametric Chaos Generator
Generates three-dimensional data
Macintosh Plus or larger; System 6.0.2 or later.

The Parametric Chaos Generator is a geometry utility that automates the design of complex functions (Rossler, Brussel, forced oscillator, Strange attractors, Lorenz attractor, Duffing oscillator). It is for use by CAD, meteorology, biology, immunology, epidemiology, education, science, mathematics, chemistry, geometry and physics.
$289 retail
Critical Path Design Sciences; PO Box 43; Oceanside, CA 92049; 619-439-4564

Pincers
Biochemistry
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.

Scientists doing genetic and protein engineering in pharmaceutical companies, research institutes and academic laboratories are routinely involved in cloning of genes, constructing new genes based on existing genes and screening DNA libraries containing particular genes. This type of work depends heavily on two commonly used procedures: searching restriction sites either on the DNA sequence or protein sequence, which are convenient for cleaving or inserting other genes; and finding the best mixed DNA probes for DNA library screening. To facilitate this task, Pincers was developed as a very simple and easy-to-use program that can provide the information essential for the work with a minimum amount of learning time. Pincers is equally useful in the training of undergraduates and graduates, as well as scientific research in biomolecular structures.
$500 retail
Office of Technology Licensing; University of California, Berkeley; 2150 Shattuck Ave., Ste. 510; Berkeley, CA 94704; 510-643-7201 or 510-642-4566 (fax)

Plasmid Artist V1.2
Creates and produces publication-quality plasmid diagrams
Macintosh Plus or larger; hard disk drive recommended; System 6.0 or later.

Plasmid Artist is a graphic program designed for biologists that creates and produces desktop publication-quality plasmid diagrams (graphical representations of recombinant DNA molecules used in the design and publication of experimental results). Plasmid Artist uses a simple, MacDraw-like user interface that allows biologists to construct diagrams detailing their recombinant DNA molecule-building strategies and results. Restriction digest maps can be easily created using imported sequence data. The program automatically keeps track of the size of the molecule as one "clones" in new gene fragments by using mouse-activated tools. It shows the map with correct scaling on screen and prints a high-quality image to any PostScript printer. Plasmid Artist also exports the publication-quality image as an Encapsulated PostScript file so that the diagrams may be pasted up with a page-layout program.
$445 retail; send for free brochure and demo disk
Clontech Laboratories, Inc.; 4030 Fabian Way; Palo Alto, CA 94303; 800-662-2566 or 415-424-1064 (fax)

■ Prism
Image analysis
Any Macintosh, Quadra or Power Macintosh with FPU; 8 MB of RAM.

Prism image analysis software is a suite of programs designed specifically for microscopy applications, providing an extensive array of advanced morphometric and statistical analysis features. Prism offers measurement and analysis capability to the microscopist, including ASTM grain size, volume fraction of each phase, correlations between measurements and statistical comparisons between groups. Prism commands are fully scriptable.
$5,600 retail
Signal Analytics Corp.; 440 Maple Ave. E, Ste. 201; Vienna, VA 22180; 703-281-3277 or 703-281-2509 (fax)

Probe
Neural network approach to protein structure prediction
Macintosh Classic or larger; System 7.0 or later.

Probe is an integrated, user-friendly approach to protein structure prediction from amino acid sequence. It uses neural network technology to make a variety of predications about protein secondary and tertiary structure. While most of these networks have been published in major scientific journals, Probe uniquely brings them together with an easy-to-use interface, enables improvement in prediction through synergism of the various networks and incorporates new applications of these networks. The number of amino acids per protein in this version of Probe is limited to 400 residues. This is because predictions of tertiary structure are valid only for single domains and none of the motifs for which Probe was trained had domains larger than this limit. All other Probe routines should work properly for any size protein, so if users have a larger protein, it may be divided into several parts and run separately.
$250 retail; academic end-user license
$800 retail; commercial end user
Office of Technology Licensing; University of California, Berkeley; 2150 Shattuck Ave., Ste. 510; Berkeley, CA 94704; 510-643-7201 or 510-642-4566 (fax)

Protein Predictor V2.0
Protein secondary structure prediction software (color or black and white)
Macintosh Plus or larger.

Protein Predictor is a protein secondary structure prediction software package based on the new neural-net method. Users can analyze and predict the secondary structure domains of any polypeptide starting with a simple listing of the residue sequence, using the IUB 1-letter amino acid designations. Users can predict coiled-coil regions, based on the latest published algorithm. Predictions based on alpha helix, beta sheet, turn and hydropathy indexes may be computed and displayed as point values or a moving average over a user-definable window. Users can highlight the occurrence of a particular residue and set prediction thresholds. The program generates numerical or graphical reports; display inline or bar-chart format; load two sequences and create homology matrix using PAM250 or other physico-chemical criteria; and create hard copy on a LaserWriter or ImageWriter. Users may also create and test index predictions.
$399 retail
Atlantic Software; PO Box 299; Wenham, MA 01984; 508-922-4352

QEDesign
Advanced filter design package
Macintosh SE or II family; hard disk drive; math coprocessor.

QEDesign is an easy-to-use, advanced filter design package. It is completely menu-driven and user intuitive, affording almost a non-existent start-up and learning curve. QEDesign performs complex mathematical computations for filter design, provides superior graphical displays and generates comprehensive design reports. General features include: complete menu-driven system; extensive error checking; extensive online help features; use of 64-bit floating point for all calculations; coefficient quantization variable from 8 to 32 bits; coefficient scaling; recycling of input for comparative analysis; tiled and stacked graphic displays for improved viewing; specification file for retention and retrieval of previously designed filters; advanced system analysis features; and extensive prototyping capabilities.
$495 retail
Momentum Data Systems; 1520 Nutmeg Pl., Ste. 108; Costa Mesa, CA 92626; 714-557-6884 or 714-557-6969 (fax)

Quantique
Primer of Quantum Mechanical concepts
Macintosh Plus or larger.

Quantique illustrates and describes the basic principles of Quantum theory, including atoms, orbitals, molecules, variational method, particle in a box, etc., and provides a recap of the historical developments that led from classical physics to Quantum Mechanics. It also includes a copy of "The Quantum World," tables of physical constants, a listing of relevant Nobel Prize winners and extensive bibliography. Quantique is useful as an adjunct to standard Quantum Mechanics texts, as courseware at the undergraduate level and as a useful personal review of this important subject.
$49.95 retail
Atlantic Software; PO Box 299; Wenham, MA 01984; 508-922-4352

■ QuickLab
Data acquisition and control
Macintosh Plus or larger.

From installation to application, QuickLab is powerful, easy-to-use measurement and control software. It offers the power and reliability required in industrial and laboratory settings. QuickLab works over extended and non-extended AppleTalk networks and supports virtually unlimited I/O points. QuickLab compiles worksheets into stand-alone applications and runs multiple processes simultaneously in the background.
$249 retail
Chasco Control Industries, Inc.; 2603 O St. NW, Ste. 2; Washington, DC 20007; 202-342-1944, 800-257-6762 or 202-333-2052 (fax)

Reactions
Chemical-reaction rate program
Macintosh 512K or larger; Microsoft Basic Version 2.0.

Reactions is a chemical-reaction rate program that calculates the time varying species concentrations for up to 18 species involved in up to 18 reaction equations. The program also calculates the reaction temperature and the heat of reaction (Enthalpy). The final product of the calculation is a semi-log plot of concentration vs. time.
$28 retail
E&M Software Co.; 1347 E. Desert Trumpet Rd.; Phoenix, AZ 85048; 602-460-0283

SamTrak 1.1
Sample tracking system
Macintosh Classic or larger (II family or Quadra recommended); 4 MB of RAM; hard disk drive.

SamTrak is a sample tracking application designed for analytical laboratories that don't need all the bells, whistles and expense of a full-featured Laboratory Information Management System (LIMS). There are two levels of password protection to limit access to commands, such as approval of requests and printing customer reports. Entering a request for analysis is simplified by automatic request and sample numbering, as well as automatic lookup of customer information. Assignment of analyses to a sample is as easy as pointing and clicking on a scrollable list. Users can check the status of any sample at any time. Users can define both the field label and balloon help text in the many user-definable fields. Reporting options include automatic or manual customer report generation with print-to-disk option, as well as monthly and quarterly report capabilities. SamTrak is a 4th Dimension-based application. Customization of the program is available.
$895 retail
$20 retail; fully functional demo

These Products Available Through Bottom Line Distribution
1-800-347-1923

Nexial; PO Box 3; Brewster, NY 10509; 914-279-7486

Scan Analysis 2.21
Turns a Macintosh and scanner into a densitometry workstation
Macintosh 512KE or larger; acquisition device, such as ThunderScan, MacVision 2.0, HP ScanJet, QuickCapture, Apple Scanner, etc.; System 6.0 or later.

Scan Analysis turns a Macintosh and scanner into a complete densitometry workstation. It uses off-the-shelf scanners and digitizers, such as the ThunderScan scanner, a video camera and MacVision 2.0 or any scanner that can produce a true gray-scale image in the SCAN or TIFF (16 [4-bit] or 256 [8-bit] uncompressed) format, and allows a user to do densitometry (determine optical or photographic density) on these images. Features include: integration of user-selected regions on polyacrylamide and agarose gels, autoradiograms, TLC plates and any other media that can be digitized with ThunderScan or a video camera; both automatic peak sensing and manual integration modes; full control over the way a selection is integrated; data files can be directly imported into word processing and spreadsheet programs; full control over the way a densitometer plot is presented; and plots can be imported into popular graphics programs.
$399 U.S. retail
£199 U.K. retail
Free demo available
Biosoft; PO Box 10938; Ferguson, MO 63135; 314-524-8029, 314-524-8129 (fax), 44+223-68622 in U.K. or 44+223-312873 (fax) in U.K.

Scientific Graphics Toolkit
Produces mathematical and scientific graphs from data and functions in programs
Macintosh Plus or larger; True Basic Language Version 2.0 or higher.

The Scientific Graphics Toolkit produces mathematical and scientific graphs from data and functions. It works in any True Basic graphics mode and allows full access to the features of each mode. Users may draw normal XY graphs, log graphs, log-log graphs or polar graphs. Functions may be plotted, least-squares fits for multiple data sets shown, or topographic maps and vector graphs created. The program can also produce data graphs, function and parametric function graphs and Bezier and spline interpolations. It provides automatic scaling and selects axes labels and legends. In addition, 13 point styles, four line styles and full color support is provided. A manual and a disk sample of programs are included.
$79.95 retail
True BASIC, Inc.; 12 Commerce Ave.; West Lebanon, NH 03784; 800-436-2111

SerePlot 2.0
AppleScript-compatible graphing and data analysis
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.

SerePlot is an application that allows users to plot X-Y type data and perform traditional, as well as graphical data analysis. Version 2.0 offers complete support for Apple Events, inter-application communication and scripting with utilities like AppleScript or UserLand Frontier. Apple Events can control every aspect of the application from data tables, to plotting, to analysis. SerePlot is distinguished from other data analysis packages by its emphasis on interactive on-screen data analysis. For example, using the integration tool, users can integrate under a curve of interest simply by dragging the cursor. Other graphical analysis tools include point value, average, derivative and others. SerePlot fully supports more traditional data analysis with linear and non-linear curve fitting to user-defined functions, Fourier transforms with power spectra, function evaluation, smoothing and more.
$135 retail
Scientific Visions; PO Box 1971; Silver Spring, MD 20915; 301-593-0317

SigmaPlot
Scientific graphing
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 4.2 or later.

SigmaPlot is scientific graphing software for creating publication-quality technical charts and graphs. It includes a full range of scientific graphing features, including error bars, grids, curve fitting, axis breaks, multiple axes, regression lines, confidence intervals, quality control lines and more. Users may choose from a wide selection of graph types, such as scatter and line graphs, vertical and horizontal bar charts, stacked bar charts, box plots, step plots, histograms, quality control graphs and pie charts. A variety of specialized axis scales are also available, including linear, semi-log, log-log, natural log, probability, probit, logit and reverse scales. Data may be input from a variety of sources, including directly from the keyboard, or from Excel, tab-delimited and other text files, into a huge worksheet (16,000 columns by 32,000 rows). The software includes an extensive mathematical transform language and a powerful nonlinear curve fitter. SigmaPlot also offers users control over all independent graphic elements and a page-layout system similar to desktop publishers. Graphs can be sent to any output device or exported to PICT or EPS files.
$295 retail
Jandel Scientific; 2591 Kerner Blvd.; San Rafael, CA 94901; 415-453-6700, 800-874-1888 or 415-453-7769 (fax)

SoftPanels
Front-panel software packages
MacAdios II, II Jr or II/16; MacAdios SCSI products.

SoftPanels is a series of five, easy-to-use front-panel software packages. Designed to help scientists and engineers quickly measure and control laboratory experiments directly from a Macintosh, SoftPanels are equivalent to instrument front-panels for the computer screen. They can be used to debug I/O hardware, cables and sensors before implementing more sophisticated applications software. When used with GW Instruments' MacAdios family of data acquisition and control hardware, they are ideally suited for such applications as medical research, product test stands and manufacturing quality control.
Free
GW Instruments; 35 Medford St.; Somerville, MA 02143; 617-625-4096 or 617-625-1322 (fax)

SoftPump
Syringe pump virtual instrument software
Macintosh with math coprocessor; 8 MB of RAM; 5 MB of free hard disk space.

Developed for controlling WPI's SP200-series syringe pumps, SoftPump sets up a graphical computer interface that allows users to define complex protocols for infusing and withdrawing fluids from laboratory animals. It then executes and oversees these sequences, graphically displaying the experiments' status, creating permanent data files on floppy disk and printing, according to user requirements. An audible alarm alerts the researcher to a malfunction, and preprogrammed instructions can be manually overridden at any time. It controls as many as 99 syringe pumps and performs up to 999 experimental protocols sequentially, lending consistency and accuracy to longterm studies.
$495 retail
World Precision Instruments; 175 Sarasota Center Blvd.; Sarasota, FL 34240; 813-371-1003 or 813-377-5428 (fax)

SoilChem
Chemical speciation
Macintosh Plus or larger; 1 MB of RAM.

SoilChem calculates the speciation of chemical elements among the aqueous-solution, solid and adsorbed forms in a soil or other natural porous medium. The method of calculation employed in this program is based on chemical thermodynamics. For each component of a soil solution, a mole balance equation is set up and thermodynamic equilibrium constants, corrected for ionic strength and, if appropriate, surface charge conditions, are incorporated into the terms of this equation according to the law of mass action. The solution of the set of non-linear algebraic equations that results from mole balance applied to all the components simultaneously provides the concentration of each dissolved, solid and adsorbed species in the system under consideration. User-friendly programs, FileBuild and FileCor, assist in the creation of an input data file containing the chemical information needed to initiate a speciation calculation.
$250 retail; single department site, academic
$500 retail; single department site, non-academic
License agreement required
Office of Technology Licensing; University of California, Berkeley; 2150 Shattuck Ave., Ste. 510; Berkeley, CA 94704; 510-643-7201 or 510-642-4566 (fax)

SpectraSoft
Integrated spectrophotometry software
Macintosh with math coprocessor; 8 MB of RAM; 5 MB of free hard disk space.

Engineered for use with WPI's 1000-series single and dual beam spectrometers, this LabVIEW-based software employs graphically displayed virtual instrument panels to give users precise, flexible control over instrument calibration and setup, data collection, data analysis, printing and storage. It provides color, real-time oscilloscopic display during data collection, accommodating up to five discrete wavelengths, displaying full or partial spectra, measuring the light absorbed and the light transmitted by sample solutions, and calculating concentration constants. It performs a variety of mathematical analyses, as well as plotting overlay and waterfall graphs on incoming data or on retrieved data files.
$645 retail
World Precision Instruments; 175 Sarasota Center Blvd.; Sarasota, FL 34240; 813-371-1003 or 813-377-5428 (fax)

Spyglass, Inc.
Scientific/engineering data analysis, visualization and management
Macintosh II; 1 MB of RAM (4 MB recommended); 256 color (8-bit) display; hard disk drive; floating point coprocessor.

Spyglass supplies tools for the analysis, visualization and management of scientific and engineering data. Spyglass Transform (with View Utility) manipulates floating point data and converts data into color raster images, color contour, vector or surface plots. Spyglass Format produces presentation-quality animations and layouts of color images. Spyglass Dicer visualizes volumetric data by displaying slices and color cubes of three-dimensional datasets. Spyglass Plot is a column data analysis tool that can handle extremely large datasets up to 32,000 columns wide.
$595 retail; Spyglass Transform 3.0 with View Utility
$235 retail; Spyglass Format 1.1
$695 retail; Spyglass Dicer 2.0
$295 retail; Spyglass Plot
Educational and government discounts available
Spyglass, Inc.; 1800 Woodfield Dr.; Savoy, IL 61874; 217-355-6000, 800-647-2201 or 217-355-8925 (fax)

Stereochemica V2.0
Interactive graphics templates (paint and PICT format)
Any Macintosh; paint or PICT-compatible draw or paint program.

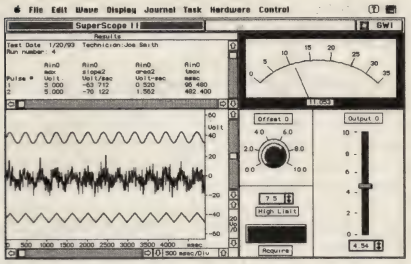
Stereochemica Interactive Graphics Templates is a software product that utilizes the graphics capability of the Macintosh to generate illustrations for papers and talks in the chemical and life sciences areas. Stereochemica includes pre-drawn Newman, Fischer, flying wedge and sawhorse diagrams and rings, chairs, boats, space-filling models, porphyrins and heterocycles. Using the templates, users may modify and customize basic figures to generate the desired diagrams and illustrations. Diagrams produced are compatible with Macintosh word processing and desktop publishing software.
$49.95 retail
Atlantic Software; PO Box 299; Wenham, MA 01984; 508-922-4352

SuperLab 1.5
General-purpose psychology testing package
Macintosh Plus or larger; System 6.0.3 or later.

SuperLab is general-purpose psychology editing and testing software. It allows users to use any PICT file as a visual stimulus and any SoundEdit file as an auditory stimulus. The editor allows a "free format" experiment design with no preset limits. A built-in "codes" editor permits the creation of codes and code values, then lets users attach these code values to trials. After running an experiment, the collected data will already be precoded. Other features include: one millisecond resolution, voice input, conditional branching, trial randomization, feedback to subjects, a Responses Editor and support for the National Instruments' NB-DIO-24 I/O card.

$475 retail; educational discounts available
Cedrus Corp.; PO Box 8026; Silver Spring, MD 20907; 301-589-1828, 800-233-7871 or 301-589-7551 (fax)

SuperScope II
Waveform acquisition, analysis and presentation software
Macintosh Classic or larger; 4 MB of RAM; hard disk drive; System 6.0.7 or later.



SuperScope II is a software instrumentation design environment that enables users to build powerful computer-based instruments in relatively little time — no programming experience is necessary. When used with GW Instruments' MacAdios family of data acquisition and control hardware, SuperScope II is ideal for such applications as scientific research, industrial measurement and control, medical monitoring and manufacturing. Capabilities include: create virtual instruments with displays, text windows, switches, meters, knobs, buttons, dials, lights and thermometers; digitize, analyze, plot and store to disk continuous streams or discreet blocks of waveform data; extensive waveform arithmetic and analysis with more than 80 waveform functions, including spectrum analysis, filters and trigonometric; supports GW Instruments data acquisition boards, National Instruments data acquisition boards (via the NI-DAQ library), RS-232 instruments and IEEE-488 instruments; digitize up to 112 channels at a 25µs-per-point rate with the MacAdios II NuBus board and daughterboard hardware system; extend with Basic, C, Pascal or Fortran programming language; includes powerful debugging tools; includes interrupt-driven waveform generator; easy access to TurboDriver and HyperCard XCMD routines; and is available in open form where users add their own C source code to the SuperScope II Think C project.
$1,490 retail
GW Instruments; 35 Medford St.; Somerville, MA 02143; 617-625-4096 or 617-625-1322 (fax)

SynTree 2.0
Program for exploring organic synthesis
Macintosh Plus or larger; 1 MB of RAM; hard disk drive recommended.

SynTree provides a unique set of software tools for exploring the intricacies of organic synthesis. The program can be most easily described as one in which a goal structure is entered and then mapped against a transform database, searching for precursors that are one chemical step removed from the goal. Because there can be many choices at each step, the synthesis process forms a branched tree. SynTree lets users move up, down and along the branches of the tree, exploring a variety of synthesis routes quickly and easily. The real power of SynTree rests in its ability to learn the chemistry users want it to know. Users can expand the program's transform database by using the Transform Entry module.
$195 retail
Trinity Software; PO Box 960; Campton Common #3; Campton, NH 03223; 603-726-4641, 800-352-1282 or 603-726-3781 (fax)

TAPP
Materials property database
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; HyperCard 2.0; System 6.0.5 or later.

TAPP, Thermochemical and Physical Properties, is a database of materials properties developed to give engineers and scientists rapid access to a wide range of thermophysical property data. TAPP contains property data for more than 10,000 inorganic and organic compounds, including 6,000 solids, 2,000 liquids and 2,000 gases. The solids database includes information on crystal structure, density, thermal expansion, elastic moduli and thermal conductivity. The liquid and gas databases include information on density, viscosity, thermal conductivity and surface energy. Transition temperatures and critical properties are also included, along with thermodynamic data and vapor pressures for more than 4,000 compounds. More than 1,000 temperature-composition phase diagrams for metal, oxide and halide systems are also included. A simple graphic user interface allows rapid selection of compounds and display of data. The database can be searched for compounds with specific combinations of properties. Properties are displayed in a spreadsheet format.
$395 retail
Direct Software, Inc.; 100 S. Sunrise Way, Ste. 407; Palm Springs, CA 92262; 619-778-6555 or 619-778-6557 (fax)

UltraFit 2.1
Non-linear curve fitter
Macintosh Plus or larger; 1 MB of RAM.

UltraFit is a non-linear curve-fitting program. Data may be keyed in or copied and pasted from other Macintosh programs, including Microsoft Excel. Data can be manipulated with the powerful data editor and many transforms are possible, including user defined. Data can also be weighted. Users can fit and graph data using either the Marquardt or Deming algorithm, then copy and paste the graph into other documents or print it out directly. A Log Book facility automatically calculates and stores goodness-of-fit index and standard errors for each fit. Unknown values can be interpolated on standard curves for assay purposes. New features include: multiple lines per graph; multiple graphs per page; graphs fully moveable and resizeable on the page; tools menus; draw ellipses, circles and rectangles; line thickness fully controllable and text can be added anywhere.
$299 U.S. retail
£149 U.K. retail
A free demo is available
Biosoft; PO Box 10938; Ferguson, MO 63135; 314-524-8029, 314-524-8129 (fax), 44+223-68622 in U.K. or 44+223-312873 (fax) in U.K.

UniVersions
Statistics, modeling and equation solving
Any Macintosh.

UniVersions combines the capabilities of a physical constant database, unit conversion facility and scientific calculator in an integrated software package. At the heart of the program is a well-referenced database that encompasses many of the important physical constants, quantities and measurements of interest to the scientist, from area and Avogadro number to volumetric flow and weight. Automatic features include tracking of significant digits of physical constants and scaling of quantities using magnitude prefixes. Unit conversions are literally push-button — there's no need to search through long lists of available unit systems. In addition to the general database, UniVersions comes with specialized databases for NMR spectroscopy, photometrics and radiation measurement. All of the databases are extensible, allowing users to modify the existing properties. The operation of UniVersion's scientific calculator is similar to commonly used handheld calculators, with a full range of functions. Features include a memory register, plus log and trig functions.
$50 retail
$50 retail; academic
American Chemical Society; 1155 16th St. NW; Washington, DC 20036; 202-872-4363, 800-227-5558 or 202-872-6067 (fax)

VoxelView/Mac
Volume rendering program
Macintosh II family (Macintosh Quadra recommended); 8 MB of RAM; 24-bit color video; System 7.

VoxelView/Mac provides a complete volume visualization system for Macintosh II computers. It allows users to view three-dimensional data as 3D volumes, with all the internal structure and information preserved. The program provides a true volume rendering solution for various applications, including microscopy, medical imaging, oil and gas exploration, nondestructive industrial inspection and fluid dynamics applications. VoxelView/Mac accurately reconstructs 3D data by representing objects as collections of cube-like building blocks called voxels or volume elements. Each voxel is a sample of the original volume. It is identified by x, y and z coordinates, and has a numerical value representing some measured or calculated property of the original object, such as density, luminosity or temperature. To render a view of the original volume, the voxels are projected onto the screen in order, directly rebuilding an image. VoxelView/Mac renders up to 160,000 voxels per second on the Macintosh Quadra, and includes rendering parameters and features previously available only to high-end workstation users, such as opacity control and reflective lighting. VoxelView/Mac is System 7 compatible and allows users to create one or more animations of any particular data set in a background mode while working within another software package.
$1,295 retail
Vital Images, Inc.; 505 N. 4th St.; Fairfield, IA 52556; 515-472-7726 or 515-472-1661 (fax)

Vertical Markets/Statistical Analysis

Biometrics
Comprehensive stats package for the life sciences, including EDA, inference, regressions, Anova, cluster analysis, classification and more
Macintosh 512K or larger.

Biometrics is intended to serve the needs of people engaged in the biological and life sciences. The program set covers the materials in the reference Biometry by R.R. Sokal and F. James Rohlf, with a few exceptions and considerable additions. For descriptive statistics, various EDA techniques are adapted, including stem-and-leaf displays, boxplots and coded tables, as well as standard techniques, such as histograms, simple data entry and t-test analyses. Statistical distributions and statistical inferences are covered in detail as is hypothesis testing. A set of programs for the analysis of variance of experiments includes factorials with replications, unbalanced factorials, nested designs and repeated measures. Data analyses for experiments include the Duncan multiple range test. Multilinear regression and correlation analyses include the factor and principal component analysis and the "partial components" analysis to study the relative influence of variables in the regression process. For the purposes of classification, cluster analysis programs are included.
$145 retail
Lionheart Press, Inc.; PO Box 20756; Mesa, AZ 85277; 602-396-0899, 514-526-7877 or 602-396-0932 (fax)

Business Statistics
Statistical tools
Macintosh 512K or larger.

This package contains statistical tools useful in a business setting. The coverage is similar to Experimental Statistics, but less emphasis is placed on the variety of design of experiments and analysis of variance. Instead, a concentration is made on those types of experiments that are most applicable in a business ambiance. Sampling procedures are given special attention, and sections on quality control and system reliability are included. A section of forecasting techniques is provided, with examples of time series. There are many numerical examples to illustrate the ideas and the programs. A glossary of statistical terms is supplied.
$145 retail
$200 retail; package of Business Statistics and Experimental Statistics
Lionheart Press, Inc.; PO Box 20756; Mesa, AZ 85277; 602-396-0899, 514-526-7877 or 602-396-0932 (fax)

CLR Anova 2.0
Statistical analysis
Macintosh 512K or larger.

CLR Anova is an easy-to-use analysis of variance program that can compute designs with up to five between-subject and five within-subject variables. Follow-up tests include simple effects, Newman-Keuls, Tukey hsd, Duncan, a priori contrasts and post

These Products Available Through Bottom Line Distribution
1-800-347-1923

hoc (Scheffé) contrast. Tests can be done on between- and within-subject variables. Plots of interactions are obtained by clicking the desired interaction and choosing "Graph means" from the "Explore" menu. Tables of means are computed in like manner. There is no limit to the number of subjects (observations) in the design. Designs with unequal cell sizes can be analyzed. CLR Anova includes a data entry and database facility designed specifically for data used in the analysis of variance. Group identification codes are generated automatically, greatly reducing the amount of time needed for data entry. Several sample data files are included. Data entered using other programs, such as Microsoft Excel, and saved as text can also be easily analyzed.
$125 retail
$37.50 per copy retail; quantities of 10 or more
Clear Lake Research; 2476 Bolsover, Ste. 343; Houston, TX 77005; 713-242-3494

CLR StatCalculator
Solves small to medium statistical problems
Macintosh Plus or larger; 1 MB of RAM; HyperCard.
CLR StatCalculator is a HyperCard stack designed for solving small to medium statistical problems. It simulates a statistical calculator with a calculator display, seven standard functions, 13 statistical functions and three memories. Statistical functions provided include: mean, standard deviation, standard error of the mean, correlation, regression, single sample t-test, independent groups t-test, correlated t-test, probability of z, probability of t and probability of F. Data can be entered in scrollable fields or can be read from text files. Because CLR StatCalculator is a HyperCard stack, it can be customized or modified as needed. Functions can be copied from the stack and used in other HyperCard stacks. CLR StatCalculator works quickly because it uses XCMDs and XFCNs for many of its calculations.
$35 retail
$150 retail; one-year site license for educational institutions
Clear Lake Research; 2476 Bolsover, Ste. 343; Houston, TX 77005; 713-242-3494

Design
Provides sample size estimation, tables of expected mean squares for balanced experiments and randomization plans
Macintosh Plus or larger; Systat.
Design provides three distinct capabilities: Sample Size Estimation, Tables of Expected Mean Squares for Balanced Experiments and Randomization Plans. The program can estimate sample sizes needed to obtain desired statistical power given an effect size and significance levels. Design can also be used to estimate statistical power at specific sample sizes. Design uses the algorithm of Cornfield and Tukey (1956) to calculate tables of Expected Mean Squares for hierarchical models in balanced experiments. The program also generates randomization plans in a form that can be easily edited with a word processor for incorporation into memos and reports. The randomization plan is generated by specifying the details of the experiment through a series of commands.
$110 retail
Systat, Inc.; 1800 Sherman Ave.; Evanston, IL 60201; 708-864-5670 or 708-492-3567 (fax)

Econometrics
Econometric methods, including regression models, forecasting and linear equation models
Macintosh 512K or larger.
Econometrics covers the material (with some exceptions and additions) in the text Econometric Methods by J. Johnson. Topics covered include: statistical distributions and statistical inference; multilinear regression, including weighted regression models, ridge regression, splines and logit analysis; models using sets of simultaneous equations; models based on time series, including autocorrelation, seasonal models, lagged variables, the Cochran-Orcutt correction for autocorrelation in residuals and the Durbin-Watson statistic. A full set of file transfer programs is included so that data can be transferred to and from popular spreadsheets.
$145 retail
Lionheart Press, Inc.; PO Box 20756; Mesa, AZ 85277; 602-396-0899, 514-526-7877 or 602-396-0932 (fax)

Experimental Statistics
Statistics
Macintosh 512K or larger.
This general-purpose statistics package covers the following major topics: distributions and sampling, statistical inference, regression analysis, the design of experiments and the analysis of variance. The full-size book describes the background and usage of statistics, with examples. Program instructions cover specific details of the more than 60 computer programs included in the package.
$145 retail
$200 retail; package of Experimental Statistics and Business Statistics
Lionheart Press, Inc.; PO Box 20756; Mesa, AZ 85277; 602-396-0899, 514-526-7877 or 602-396-0932 (fax)

Exploratory Data Analysis
Statistics
Macintosh 512K or larger.
Exploratory Data Analysis is graphics oriented and makes use of the new EDA techniques. Users will be able to examine data with letter-value displays, stem and leaf displays and box plots. When fitting data to a line, users will be able to run a resistant line through the data points, as well as carry out regression calculations. Analysis of variance is complemented by median polish and the preparation of coded tables. The distribution of data points can be checked by drawing rootograms. The program set includes cross tabulations, distributions, regression, sensitivity analysis and much more.
$145 retail
Lionheart Press, Inc.; PO Box 20756; Mesa, AZ 85277; 602-396-0899, 514-526-7877 or 602-396-0932 (fax)

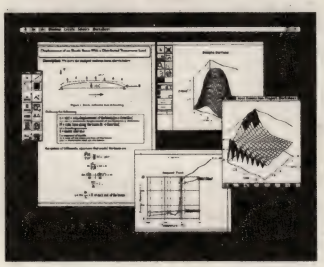
EZ-X11
Version of the Census X-11 seasonal adjustment procedure
Macintosh Plus or larger; 1 MB of RAM.
EZ-X11 is Estima's version of the Census X-11 seasonal adjustment procedure. It provides a fully menu- and dialog-driven interface to the full X-11 procedure, including both quarterly and monthly adjustment, trading day and holiday adjustments. Users can either adjust series one at a time or build a batch file for automatic adjustment of hundreds of series. Output can be sent to a printer, a file or suppressed for batch runs. EZ-X11 also offers a number of important data preparation procedures, such as interpolation, compaction, benchmarking and splicing. Other recent additions to the package include forecasting using exponential smoothing and spectral techniques and high-quality graphics. EZ-X11 is fast, accurate and easy to use. It can import data in ASCII formats and also directly from Lotus or dBase III on the PC and Excel (saved as WKS) on the Macintosh. While designed to work closely with the RATS econometrics package, it can also be used as a stand-alone program.
$150 retail
Estima; PO Box 1818; Evanston, IL 60204; 708-864-8772, 800-822-8038 or 708-864-6221 (fax)

Fastat
Statistics and graphics package for intermediate users; accommodates up to 150 variables
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.2 or later.
Fastat is a statistics and graphics package. With Fastat, a user can do summary statistics, one-way and multiway tables, chi-square, Pearson and Spearman correlations, regression, non-parametric tests, Anova, Anocova, series transformation and smoothing, forecasting, principal components and common factor analysis, and traveling salesman problems. Fastat can produce two-and three-dimensional full-color scatter plots, line plots, bubble plots, regressions with confidence intervals, influence plots, probability plots, scatterplot matrices (sploms), box-and-whisker plots, histograms and cumulative histograms with smoothing, stem-and-leaf diagrams, time-series plots, autocorrelation and partial auto-correlation plots, and factor-loading plots. Fastat offers support of the QuickTime system software extension. QuickTime allows Fastat users to view a series of Fastat plots or graphs as an animated movie and watch how data changes over time. Fastat also offers editing and help functions, an easy-to-understand user's manual and free telephone support.
$199 retail; volume/academic discounts and site licenses available
Systat, Inc.; 1800 Sherman Ave.; Evanston, IL 60201; 708-864-5670 or 708-492-3567 (fax)

Flo•Stat 2.0
Elementary statistics, mapping and graphics software
Macintosh Plus or larger.
Flo•Stat is a unique statistical and mapping system for the professional analyst. The program's speed, ease of use, standard statistical routines, data manipulation and transformations, graphics, tabular and mapping output and accompanying social databases and maps make it ideal in producing the output needed for today's scientific and business reports. Features include: the linking of user-created object-format maps; copy and paste color maps and graphics as draw objects to word processing and draw/paint programs; pasting tabular output to word processor or spreadsheet; report listings, descriptives and frequencies; T-test and Anova; banner cross-tabulation, partial correlation and multiple regression; and choropleth maps, pie line, bar, histogram, ogive, scattergram and three-dimensional block chart.
$249 retail; professional version
$99 retail; student version (lab packs available)
Senecio Software, Inc.; 525 Ridge St.; Bowling Green, OH 43402; 419-352-4371 or 419-352-4281 (fax)

Global Data Manager 2.3
Comprehensive collection of global statistics; allows detailed comparison and analysis of more than 8,000 data variables for every country in the world
Any Macintosh.
Global Data Manager is a tool to help users study, explore and research the vital statistics of the world. It integrates into one system the world's most complete inventory of global data and makes that data accessible to researchers, policy makers, corporate executives, students, teachers, media and the general public. More than 8,000 variables for each country can be found on Global Data Manager — population, food production and consumption, energy production and consumption, health, education, military, natural resources, environment, economics and more — from data provided by the U.N., World Bank, World Resources Institute and more than 20 others. Global Data Manager allows users to easily manipulate this data in a wide variety of ways. It is annually updated. Global Data Manager 2.3 includes the Basic World Data Disk; other Data Disks are available as well.
$75 retail; Global Data Manager and Basic World Data disk
Site license available
World Game Institute; 3215 Race St.; Philadelphia, PA 19104; 215-387-0220 or 215-387-3009 (fax)

HiQ
Numerical analysis
Power Macintosh or Macintosh with 68020 or larger processor; math coprocessor (68881 or 68882); 5 MB of RAM; Color QuickDraw; System 6.0.5 or later.



HiQ is an object-based numerical analysis software package that gives scientists and engineers more than 650 mathematical functions; publication-quality output; interactive three-dimensional graphics; a scripting language; a compiler; and a set of application-

specific "Problem Solvers." HiQ follows a worksheet metaphor for organizing and presenting data — users make entries by placing data inputs, annotations, graphs and Problem Solver icons on their worksheet. With the Problem Solvers, users interactively explore numerical integration, expression evaluation, optimization, ordinary differential equations, roots of polynomials, nonlinear systems and other typical numerical analysis applications. Users can call the Problem Solvers and analysis functions from HiQ-Script to solve more complex problems. Problem Solvers address mathematical disciplines, such as integral equations, nonlinear systems, data fitting, ordinary differential equations and numerical integration. The Problem Solvers are useful in solving mathematical problems, such as heat conduction between coaxial cylinders, stress/strain behavior of a thick cylindrical shell, fluid flow in a channel, rate equations in a chemical reaction system and modeling of the pumping heart. A native version for Power Macintosh is available.
$695 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

HyperStat
Hypertext in statistics, program for data analysis and interactive simulation/data analysis exercises
Macintosh Plus or larger; 1 MB of RAM; HyperCard.

HyperStat is an integrated combination of a hypertext in statistics, a program for data analysis and a set of interactive simulation/data analysis exercises called "explorations." It is a statistics book that can do calculations and a statistical analysis system with a tremendous amount of online help. HyperStat's statistical procedures cover simple, as well as more sophisticated analyses. For instance, HyperStat has procedures for multiple regression and complex analysis of variance. The latter procedure can compute an analysis of variance with up to four between-subject variables and four within-subject variables. Other procedures emphasize graphics, such as box plots, stem and leaf plots, scatterplots, frequency polygons and histograms. HyperStat uses hypertext to provide more than 2,000 links between related concepts and between results of statistical analyses and explanatory material. The combination of hypertext and HyperStat's electronic index makes looking up information extremely easy.
$59.95 retail
AP Professional; 955 Massachusetts Ave.; Cambridge, MA 02139; 800-321-5068 (orders)

IPSS And IPSS+
Statistical and simulation tool for projecting populations and related phenomena
Macintosh Plus or larger; two 800K disk drives; hard disk drive; IPSS+ requires the 68020/68030/68040 processor and 68881/68882 math coprocessor.

IPSS (Interactive Population Statistical System) is a sophisticated statistical and simulation tool for projecting populations and related phenomena. Users may plot changing demographics in market areas, study the demographic implications of growing or declining population in a region, or forecast that portion of product demand driven by changing population composition. IPSS' user interface allows models to be input by changing the graphs with the mouse where the numbers are automatically calculated, or where data values are known, the numbers may be input and the graph will be created. The output may be exported to any drawing program.
$295 retail; IPSS
$395 retail; IPSS+
(educational discount available)
Senecio Software, Inc.; 525 Ridge St.; Bowling Green, OH 43402; 419-352-4371 or 419-352-4281 (fax)

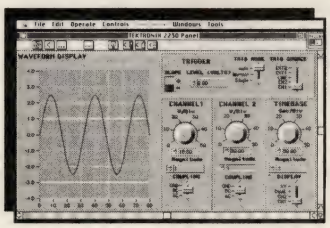
JMP Software, Version 3
Statistical data exploration and experimentation tool
Macintosh Plus or larger; 2 MB of RAM.

JMP Software, a statistical data visualization and experimentation tool for the Macintosh, presents statistics in a graphical environment so they can be easily understood. Data tables, in spreadsheet form, are dynamically linked to related graphs and tables. JMP statistical platforms include capabilities for performing univariate statistics, cross tabulation, inverse prediction, multiple and stepwise regression, analysis of variance and complex models, nonparametric tests, nonlinear fitting, multivariate, cluster, and survival analysis. JMP also offers graphics platforms for bar, pie and line charts, contour plots and ternary plots, along with quality control tools, such as Shewhart and Pareto charts. The software includes capabilities for a design of experiments in an easy-to-use graphical environment that features four types of classical designs: two-level, response-surface, mixture, three-level and mixed-level designs. Users can enter experiment factors and choose a design type and allow JMP to list appropriate designs and generate the selected design table. After completing an experiment, the software can thoroughly analyze experiment results. JMP software combines statistical analysis, statistical process control, experimental designs and data visualization into one powerful tool. JMP is available in single and network. Annual licenses are also available.
$695 retail; for corporate customers (academic and volume discounts available)
SAS Institute Inc.; JMP Sales Department; SAS Campus Dr.; Cary, NC 27513; 919-677-8000 or 919-677-8166 (fax)

Lab Partner
Experimental design and analysis
Macintosh Plus or larger.

Lab Partner offers a systematic approach to experimental design and analysis based on the techniques and philosophy of Dr. Genichi Taguchi. It is designed to provide an efficient means to attack the problem of poor quality due to excessive variation. By using the analysis and design techniques provided in this program, users can uncover the source of variability and reduce or control this variability. The program provides an easy means of improving efficiency and decreasing the costs associated with experimental design and analysis. Features include: generation of experimental design for multiple factors; analysis of experimental results by means of Main Effects, Anova, Signal to Noise Ratio and S/N Anova; Anova 2 Factor design and analysis; Chi Square Test for single factor analysis; and Loss Function/Tolerance reports. Lab Partner is System 7 compatible.
$500 retail
Sof-Ware Tools; PO Box 8751; Boise, ID 83707; 208-343-1437 or 208-336-2536 (fax)

LabVIEW
Complete graphical programming system with built-in compiler for data acquisition, analysis, presentation and instrument control
Power Macintosh or any Macintosh with a coprocessor; 8 MB of RAM; hard disk drive; System 6.0.4 or later; 32-bit QuickDraw.



LabVIEW (Laboratory Virtual Instrument Engineering Workbench) is a graphical programming system for instrumentation. LabVIEW features a unique icon-based compiled programming language and user front panel interface for engineering and scientific applications. Users can build interfaces that make it quick and easy to train operators to use the software. Users program these virtual instruments (VIs) by building block diagrams. Users can acquire data from GPIB, VXI, RS-232 instruments, or from National Instruments plug-in data acquisition boards. Users can control more than 400 instruments by the ready-to-use icons in the Instrument Library. Analysis functions in LabVIEW include statistical processing, array manipulation and digital signal processing. Application areas include process monitoring and control, laboratory automation, instrument control, manufacturing automation, automated test, signal processing, simulation, design and classroom instruction. Users can execute complete VIs with run-time systems for run-only test stations or use the LabVIEW Application Builder to create stand-alone executables for distribution. Also available is the Test Executive Toolkit, a powerful, flexible package for automated sequencing of test programs. LabVIEW applications are compatible with LabVIEW running on Windows-based PCs and Sun SPARCstations. A native version for Power Macintosh is available.
$1,995 retail
$495 retail; LabVIEW Run-Time System (requires 4 MB of RAM)
$995 retail; Application Builder
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

Logit
Logistic regression for binary and multinominal dependent variables
Macintosh Plus or larger; Systat.

Logit offers logistic regression for binary and multinominal dependent variables estimated by maximum likelihood. The program allows observations to be weighted, analysis to be conducted by group, interactions to be entered directly on the model statement and dummy variables to be generated automatically using the Category command. A table is printed giving the estimated effect of changes in the independent variables on the probability of each level of the dependent variable. In addition, predicted probabilities may be saved to Systat datasets.
$110 retail
Systat, Inc.; 1800 Sherman Ave.; Evanston, IL 60201; 708-864-5670 or 708-492-3567 (fax)

MacSpin 3.0
Data analysis and scientific visualization program
Macintosh 512K or larger; external disk drive or hard disk drive; System 4.2 or later.

MacSpin is an exploratory data analysis and scientific visualization program. MacSpin helps users understand the meanings behind the patterns and associations in their data. By graphically depicting data in a three-dimensional space and viewing it from any angle, users can discover revealing distributions, subsets and influential outliers in their data. Animation and color allow for higher dimensional representation. MacSpin lets users easily define and save subsets of their data for further analysis. In additional to three-dimensional plots, MacSpin also displays two-dimensional plots: scattergrams, line charts, bar charts, histograms and pie charts. All charts and data are linked; clicking on a single point or a group of points in one plot highlights the same points in all other visible two- and three-dimensional plots and in the data window.
$295 retail
Abacus Concepts, Inc.; 1918 Bonita Ave.; Berkeley, CA 94704; 510-540-1949 or 510-540-0260 (fax)

MathStatLib 3.0
Routines for sorting, matrix operations and statistical functions
Macintosh Plus or larger; QuickBasic.

MathStatLib contains routines for sorting, matrix operations and statistical functions. All routines are written in assembly language so they are very efficient in terms of both speed and space. Versions of the routines optimized for use with the 6888x series of floating point processors are included. These routines speed up numerical processing 1,000 percent or more. Sorting can be done in ascending or descending order. If desired, the sort routines will rearrange an additional array so there is a record of the original serial position of each element. Matrix routines include matrix addition, subtraction, multiplication and transposition. Users can even get the determinant and inverse of a matrix in a single statement. Statistical functions include the minimum, maximum, mean, standard deviation, t and Pearson's r. There are also statements that evaluate the cumulative z, t, X^2 and F distributions.
$70 retail
Clear Lake Research; 2476 Bolsover, Ste. 343; Houston, TX 77005; 713-242-3494

These Products Available Through Bottom Line Distribution
1-800-347-1923

Matlab Statistics Toolbox
Data analysis and Monte Carlo simulation tools with interactive graphics
Macintosh with 68020 or 68030 processor/68881 or 68882 math coprocessor; 8 MB of RAM; Matlab.

The Statistics Toolbox integrates powerful, flexible tools for statistics and data analysis with the Matlab numeric computing and visualization environment. The Toolbox provides functions for probability distributions, random number generators, statistical graphics, linear models, descriptive statistics and hypothesis testing. Interactive graphics, provided by a set of GUI tools, make it easy to solve fundamental problems in statistics and probability. The functions in the Toolbox are Matlab M-files, which enable users to see the algorithms and implementations, as well as to make changes or create new functions to address a specific application.
Call for pricing; educational discounts available
The MathWorks, Inc.; 24 Prime Park Way; Natick, MA 01760; 508-653-1415 or 508-653-2997 (fax)

Minitab Statistical Software
Statistical analysis
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.1 or later.

Minitab Statistical Software is a general-purpose, easy-to-use, interactive package for organizing and analyzing data, and reporting statistical results. Operated from menus (commands are optional), Minitab provides more than 180 statistical functions that operate on data that is stored in a row-by-column worksheet. Minitab can be used interactively or commands can be stored in files (macros) for frequently used analyses. The emphasis is on providing users with a wide range of basic and advanced functionality while maintaining high standards for ease of use. A hierarchical Help facility is included. A list of Minitab statistics are: basic statistics; regression analysis; statistical process control charts; analysis of variance and covariance, including GLM for unbalanced designs; multivariate analysis; cross tabulations; non-parametric methods; time series analysis; exploratory data analysis; simulation and distributions; and design of experiments. Color and high-resolution graphics are supported. A mouse is supported but not required. Minitab is also available for most mainframes, minicomputers, workstations and DOS-based microcomputers.
Call for pricing
Minitab Inc.; 3081 Enterprise Dr.; State College, PA 16801; 814-238-3280, 800-448-3555 or 814-238-4383 (fax)

Monte Carlo Simulations (Advanced Version) 2.2
Statistical analysis, simulation and long-term projection
Macintosh 512K or larger; hard disk drive recommended.

Monte Carlo Simulations (Advanced Version) is designed for engineers, actuaries, financial planners, educators, medical researchesr and other scientists. Monte Carlo 2.2 includes the following improvements over version 2.0: new recursive variable for dependence between trials; more Macintosh printers supported (lasers, LQ, etc.); able to run from IBM subdirectories on any drive; and more tutorial-type examples, including new medical example. Monte Carlo consists of the following three integrated modules: Statistical Analysis Module (to compare raw data to 13 built-in probability distributions; Chi-Square and Kolmogorov-Smirnov Goodness of Fit Tests); Simulation Module (to construct a probabilistic model consisting of up to 100 Random/Logical/Functional/Recursive/etc., variables); and Long Term Projection Module (to create and analyze a true long-term random model; inflation and other adjustment factors can be applied).
$495 retail
$10 retail; demo disk
Actuarial Micro Software; 353 Jonestown Rd., Ste. 512; Winston-Salem, NC 27104; 910-759-3463

MultiStat 1.1
Statistics with graphics
Macintosh Plus or larger.

MultiStat offers a range of analytical statistics tests (parametric and non-parametric) and graphics capabilities to help a user visualize data and the relationships within the data. Up to 10 graphs may be displayed on screen simultaneously. Statistical results may be printed out for future reference, and graphics may be printed or saved on disk as MacPaint files for inclusion in documents.
$199 U.S. retail
£99 U.K. retail
Biosoft; PO Box 10938; Ferguson, MO 63135; 314-524-8029, 314-524-8129 (fax), 44+223-68622 in U.K. or 44+223-312873 (fax) in U.K.

Multivariate Analysis
Covers the major topics of the discipline
Macintosh 512K or larger.

This software package is intended for users who have had some formal training in the topic of multivariate analysis. The manual and the programs cover the major topics of the discipline, including multilinear regression, correlation analysis (including part and partial correlation between data sets), factor analysis (with Varimax and Quartimax rotations), principle component analysis, canonical correlation analysis and residual analysis. A set of population discriminant analysis programs is provided. Multiple population topics include Manova with and without a covariate. A full cross-tabulation program is included.
$145 retail
Lionheart Press, Inc.; PO Box 20756; Mesa, AZ 85277; 602-396-0899, 514-526-7877 or 602-396-0932 (fax)

Probit
Provides a method for estimating a multiple regression model or analysis of covariance when the dependent variable is categorical and can take only one of two values
Macintosh Plus or larger; Systat.

Probit provides an appropriate method for estimating a multiple regression model or analysis of covariance when the dependent variable is categorical and can take only one of two values. It produces parameter estimates and standard errors by: the maximum likelihood, variance-covariance matrices, log-likelihood values, z-scores and Mill's ratios. The last two items may be optionally saved to Systat datasets. Probit is a full-featured maximum likelihood program with automatic generation of dummy variables and interactions.
$110 retail
Systat, Inc.; 1800 Sherman Ave.; Evanston, IL 60201; 708-864-5670 or 708-492-3567 (fax)

Process Control Chart Tool Kit
Statistical graphing, charting, quality control analysis and graphs
Macintosh Plus or larger.

The Process Control Chart Tool Kit can be used to record numeric sample data and translate this data into graphs and charts. Features include: a method of entering and modifying numerical data; scatter plots; trend charts; histograms; P, NP, U and C control charts; Pareto charts; X bar R chart; standard deviation and process capability; and a method of generating files of random numbers. It is System 7 compatible.
$399 retail
Sof-Ware Tools; PO Box 8751; Boise, ID 83707; 208-343-1437 or 208-336-2536 (fax)

QC Tools
Integrates a set of statistical process control analyses and graphs into StatView
Macintosh Plus or larger; 2 MB of available RAM; hard disk drive; StatView 4.01 or later; System 6.0.4 or later.

QC Tools is a seamless extension to StatView 4.0 — users just drop QC Tools into the proper folder and a "no compromise" set of statistical process control analyses and graphs are integrated directly into the program. New choices for subgroup measurements, individual measurements, p/np, c/u and Pareto analysis are available right alongside StatView's standard analyses. QC tables and graphs may be mixed with standard StatView analyses in the same view, and users have access to StatView's full data management and presentation capabilities. With StatView and QC Tools, users can easily save their work as templates that may be opened with any data. Templates make it easy for anyone from novices to experts to perform complex suites of QC analyses and produce high-quality reports.
$295 retail
Abacus Concepts, Inc.; 1918 Bonita Ave.; Berkeley, CA 94704; 510-540-1949 or 510-540-0260 (fax)

Quality Control And Industrial Experiments
Quality control methods; a full implementation including all charts, Taguchi techniques and traditional techniques
Macintosh 512K or larger.

Quality Control and Industrial Experiments covers the standard quality control methods. All popular types of quality control charts have been implemented and the chart presentations conform to the ASQC standards. The statistical background of statistical quality control is discussed in detail, and all information relevant to the preparation of the charts is provided. A large section on the analysis of variance and the design of experiments is included; in particular, the Taguchi methods applying orthogonal arrays are described, as is the use of experiments in parameter design and tolerance design. The topics of the software cover all of the traditional methods of quality control, as well as the latest and most sophisticated techniques. Programs include QC charts; data entry and tabulation; distributions, inference and sampling; regression; analysis of variance; file transfers; and graphics and utilities.
$145 retail
Lionheart Press, Inc.; PO Box 20756; Mesa, AZ 85277; 602-396-0899, 514-526-7877 or 602-396-0932 (fax)

RATS/RATS 020
Time series analysis
Macintosh Plus or larger; 1 MB of RAM.

RATS (Regression Analysis Time Series) incorporates virtually all time series techniques currently in use, including Arima models, vector autoregressions and spectral analysis. Not only for time series, RATS includes logit and probit and can easily handle the special problems of truncated and censored data sets. RATS can solve simultaneous systems with up to 999 equations, and can estimate and solve models that other programs cannot. Other features include: high-quality time series and X-Y graphics; many options, including dual-scale, size, orientation and high-low-close; exports to many desktop publishing programs; supports a wide variety of data formats; flexible transformations with algebraic formulas; trends, seasonal and time period dummies easily created; specialized differencing and filtering options; matrix computations by algebraic functions; user-definable menus; and much more.
$300 retail
$400 retail; RATS 020
Estima; PO Box 1818; Evanston, IL 60204; 708-864-8772, 800-822-8038 or 708-864-6221 (fax)

Regression — Linear & Non-Linear
Simple linear regression, multilinear regression, ridge and weighted regression and regression using orthogonal polynomials; a full implementation of non-linear regression methods
Macintosh 512K or larger.

Regression is comprised of procedures based on the least squares technique. The program set includes simple linear regression, multilinear regression, ridge and weighted regression and regression using orthogonal polynomials. It covers the use of factor analysis in the selection of significant variables and includes a full implementation of non-linear regression models (exponential, sigmoidal, stochastic growth, yield density, etc.), including user-defined regression models.
$145 retail
Lionheart Press, Inc.; PO Box 20756; Mesa, AZ 85277; 602-396-0899, 514-526-7877 or 602-396-0932 (fax)

Resampling Stats
Statistics
Macintosh Plus or larger.

The "new statistics" of resampling has revolutionized the field of statistics, including confidence limits, hypothesis tests and other applied everyday problems. Resampling Stats is an extraordinarily simple yet powerful language that is clear, intuitive and user friendly: users take "resamples" from their data and observe how their statistic of interest behaves. It is for both experts and non-statisticians. Full documen-

tation, sample problems, tutorial, support and consultation are provided.
$225 retail
$125 retail; if academic purchase or if payment by personal check
Resampling Stats; 612 N. Jackson St.; Arlington, VA 22201; 703-522-2713 or 703-522-5846 (fax)

Spreadware Statistics Menu
Provides a complete statistical application within Excel
Macintosh Plus or larger; Microsoft Excel.

Spreadware Statistics Menu (StatS) provides a complete statistical application within Excel. When using StatS, an easy-to-use menu is added to the Excel menu bar that provides the calculation of probabilities for z, F, t and chi-square distributions; descriptive statistics for frequencies, continuous and cross-tabbed data; non-parametric statistics; t-tests for independent and correlated data; Anova for one-way, two-way and repeated measures; correlations for pearson r, sscp matrix and correlation matrix; test analysis for alpha and split-halves reliabilities; item correction; test scoring; item analysis; and item frequencies. StatS has 100 routines available.
$129 retail
Spreadware; PO Box 4552; Palm Desert, CA 92261; 619-347-2365 or 619-347-6045 (fax)
FAX©NDEMAND 1-800-872-3293 **165**

SPSS For The Macintosh
Data analysis software
Macintosh SE or larger; 2 MB of RAM (4 MB of RAM recommended); 20 MB of hard disk space; System 6.0 or later.

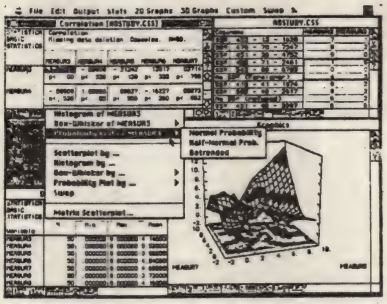
SPSS For The Macintosh is a sophisticated data analysis software package. Statistical routines include descriptive statistics, cross-tabulations, frequencies, analysis of variance, non-parametric tests, regression tests, multidimensional scaling, reliability and cluster analysis. The program will generate a variety of plots including histograms, bar charts, scatter plots, contour plots, box plots and stem-and-leaf plots. Data management facilities allow a user to reorganize, clean and transform data. Other facilities allow for labeling, weighting and formatting data for display. SPSS For The Macintosh enables a user to read data in a variety of formats including: fixed and comma delimited files; and hierarchical, grouped and mixed files. The program allows a user to aggregate, sort and merge files and write flat files to share with other software programs.
$498 retail
SPSS, Inc.; 444 N. Michigan Ave.; Chicago, IL 60611; 312-329-3500, 800-543-6609 or 312-329-3668 (fax)

SQC For Excel 2.10
Complete SQC calculations, charts and reports within Excel
Macintosh Plus or larger.

SQC for Excel provides a complete statistical quality control package within Microsoft Excel. A comprehensive menu is added to the Excel menu bar that provides an easy interface via the Microsoft Excel menu bar (choose SQC from Excel main menu); X-bar, R, MR, S, X, P, nP, u and c control charts; Cpu, Cpl and Cpk calculations based on LSL and USL; comprehensive reporting of all calculations; one button operation for repetitive analysis; automatically checks the data for correlation; scatter diagrams for auto-correlation analysis; Microsoft Excel 4.0 and 5.0 compatible; plots histogram, normal distribution, LSL and USL; runs and trends calculations; and up to 16,000 data points. A complete set of examples for all charts are provided. It is System 7 compatible.
$149 retail; site license, educational and volume discounts available
BaRaN Systems Ltd.; PO Box 57024; Eastgate Postal Outlet; Sherwood Park, Alberta, Canada T8A 5L7; 403-449-6554 or 403-449-1334 (fax)

Statistica: Release 4
Integrated statistics/graphics analysis software
Macintosh Plus or larger; 1 MB of RAM.

Statistica is a comprehensive statistics and graphics package with database management facilities and a powerful data transformation language (System 7 savvy; supports Publish and Subscribe). It includes a large selection of analytic, exploratory and presentation graphics. All three-dimensional graphs can be dynamically rotated and customized on screen, and include



advanced implementations of scatterplots, box-plots, histograms, smoothed histograms, range plots, axis graphs, spectral graphs, line/sequence graphs, surface plots with color shading, data smoothing and others. Two-dimensional graphs feature a large spectrum of scatterplots, histograms, bar graphs, line graphs, trend graphs, box-and-whisker plots, range plots, frequency scattergrams, pie charts and multiple (categorized and matrix) plots. Statistica features a full range of basic statistics, crosstabulations, nonparametrics, stepwise multiple regression methods, comprehensive implementation of ANOVA/ANCOVA/MANOVA/MANCOVA, discriminant function analysis, canonical analysis, cluster analysis, factor/principal components analysis, log-linear analysis, reliability/item analysis, survival analysis, general nonlinear estimation and time series/forecasting.
$695 retail
$395 retail; Quick Statistica (subset of Statistica)
StatSoft, Inc.; 2325 E. 13th St.; Tulsa, OK 74104; 918-583-4149 or 918-583-4376 (fax)
FAX©NDEMAND 1-800-872-3293 **155**

Statistical Macro Package
Collection of 12 statistical analysis tools
Macintosh 512K or larger; Microsoft Excel.

The Statistical Macro Package is a collection of 12 powerful statistical analysis tools. These include: Linear & Nth Degree Regression, Equal Proporation Test, Normal Distribution, Binomial Distribution, Chi-Square Distribution, F-Distribution, t-Distribution, Repeated Measures, Mann Whitney, Correlations, Anova 1 and t-test.
$79 retail
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

Stats Tool Kit
Statistical analysis
Macintosh Plus or larger.

Stats Tool Kit is a software package used for recording sample data and generating various statistical-analysis reports. The program provides a method of entering and modifying numerical data; chi-square test; student's T-Test; Mann-Whitney test; one-way analysis of variation; two-way, no-repetitions analysis of variation; two-way, repeated-observation analysis of variation; kurtosis, moment and skewness; random data files; and more. A variety of statistical report types can be produced with the program and either printed out or displayed on screen. Stats Tool Kit is System 7 compatible.
$99 retail
Sof-Ware Tools; PO Box 8751; Boise, ID 83707; 208-343-1437 or 208-336-2536 (fax)

StatView 4.0
Integrated data analysis and presentation graphing
Macintosh Plus or larger; 2 MB of available RAM; hard disk drive; System 6.0.4 or later.

StatView is an integrated data analysis and presentation system designed specifically for researchers and analysts. It integrates data management, statistical analysis, graphing and presentation tools into one powerful application. StatView replaces separate spreadsheet, statistics, graphing and drawing packages on the researcher's desktop. All analysis results remain dynamically linked to data — if changes are made in the data, charts and tables instantly update. Any StatView document (containing results, drawn objects and annotations) may be saved as a template and reopened with the original dataset or any data of interest.
$595 retail
Abacus Concepts, Inc.; 1918 Bonita Ave.; Berkeley, CA 94704; 510-540-1949 or 510-540-0260 (fax)

StatView SE+Graphics 1.04
Statistical analysis with graphing
Macintosh Plus or larger; 1 MB of RAM; System 4.2 or later.

StatView SE+Graphics is a broad-based statistical analysis and graphing program. It performs complete descriptive and comparative statistics — all analyses are placed in an interactive graphing environment where they may be customized using drawing and text tools. StatView SE+Graphics is optimized for low-end Macintosh models (Macintosh LC and below).
$350 retail
Abacus Concepts, Inc.; 1918 Bonita Ave.; Berkeley, CA 94704; 510-540-1949 or 510-540-0260 (fax)

StatView Student
Statistical analysis and graphing program
Macintosh Plus or larger; 1 MB of RAM; two 800K floppy disk drives (hard disk drive recommended); System 4.2 or later.

StatView Student is a broad-based statistical analysis and graphing program. Ideal for students, it is powerful, yet easy to use. StatView Student performs a large variety of statistical operations, including complete descriptive statistics; frequency distributions; t-tests; Pearson correlations; simple, multiple and polynomial regression; one and two factor Anova; contingency tables; and two-group nonparametric tests. The graphs produced by StatView Student include scatterplots, line, pie and bar charts, histograms, box plots, regression plots, percentiles and univariate charts. Graphs can be customized by resizing, adding error bars and changing point types and sizes.
$99 retail
Abacus Concepts, Inc.; 1918 Bonita Ave.; Berkeley, CA 94704; 510-540-1949 or 510-540-0260 (fax)

Strat/Range Charter 1.5
Stratigraphic range charting and statistical data preparation
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.

Strat/Range Charter is a stratigraphic range charting application that can create large range chart diagrams and ordered species lists from text files containing lists of unique species numbers for each sample horizon. Diagrams can be saved as MacDraw PICT or transferred via the Clipboard to any Draw-type application. Text and graphic elements are MacDraw-like objects and can be edited with any PICT Draw-type application. Data is read in from text files that can be created with any word processor or text editor. Data entry is error checked. Diagrams can be sorted by tops, bases or the unique species number. Grid lines can be added, and the grid line spacing can be specified. Diagrams can be scaled at nine sizes. Color and abundance charts have been added to Version 1.5. Presence absence data is plotted with a bullet symbol (default), or any font symbol coded with the data can be plotted to indicate abundance, questionable occurrences, etc. Separate range charts can be created from the same data file by coding separate types of data with a unique prefix. Multiple species libraries can be maintained for different types of information. Species libraries can be used to create a database and can be updated from current databases. Strat/Range Charter also prepares presence/absence data matrices and ranked event data that can be used with other statistical software packages for multivariate and nonparametric analysis, respectively. The program is System 7 compatible.
$999 U.S. retail; includes Counter 2.0
Pierre Zippi, PAZ Graphics; 18640 Roads End Cir.; Eagle River, AK 99577; 907-696-5702

SuperANOVA
General linear modeling
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.2 or later.

SuperANOVA is a complete general linear modeling program. It analyzes virtually any model, including ANOVA, ANCOVA, MANOVA, MANCOVA, repeated measures and more. With SuperANOVA, users can create, modify and save model designs, as

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1-800-347-1923

well as annotate them in a complete, interactive drawing environment. Once created, these models may be saved and applied to any data of interest. SuperANOVA handles balanced, unbalanced and missing cell designs. The program solves repeated measures (with up to 13 within factors) using univariate or multivariate models. Users may also choose from a dozen post-hoc tests, contrasts, interaction plots, residual plots and means tables.
$495 retail
Abacus Concepts, Inc.; 1918 Bonita Ave.; Berkeley, CA 94704; 510-540-1949 or 510-540-0260 (fax)

Systat 5.2
Comprehensive statistical analysis and scientific graphics package
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.2 or later.

Systat is a comprehensive statistical analysis and scientific graphics package that provides solutions from exploratory analysis to presentation graphics. Version 5.2 takes advantage of the powerful graphic and data display features of QuickTime, including full movie support of sound, video and animation. Versatile, yet comprehensive data analysis procedures permit almost every possible statistical analysis, including a complete implementation of the general linear model. Major statistical improvements include enhancements to model estimation and hypothesis testing with support of the means model. Stepwise regression output now has options for forward, backward and interactive stepping. Additional hypothesis tests include an intuitive method for arbitrary contrasts of effects or means, and new post hoc methods. Systat includes analytic improvements to graphs. In addition to standard graphs, plots, bar charts, histograms and scatterplots, Systat features dynamic color graphics. Statistical procedures include descriptive statistics, frequency distributions, t-tests, cluster analysis, analysis of variance, multidimensional scaling, nonparametrics, correlations, linear and multiple linear regression, forecasting and exponential smoothing, common factor analysis and nonlinear regression, with the capacity to analyze up to 256 variables.
$895 retail; volume/academic discounts and site licenses available
Systat, Inc.; 1800 Sherman Ave.; Evanston, IL 60201; 708-864-5670 or 708-492-3567 (fax)

Testat
Test summary statistics, reliability coefficients, standard errors of measurement and item analysis statistics
Macintosh Plus or larger; Systat.

Testat provides test summary statistics, reliability coefficients, standard errors of measurement for selected score intervals and item analysis statistics for multiple item tests. It will also provide summary statistics for individual respondents. The program features graphic displays of test and item/scale cumulative histograms and a Key command which allows a user to input scoring keys for multiple choice tests or bipolar scales. Additional features include save, by group and by subgroup for Systat datasets.
$110 retail
Systat, Inc.; 1800 Sherman Ave.; Evanston, IL 60201; 708-864-5670 or 708-492-3567 (fax)

Vector Rose 2.0
Circular normal statistics and rose diagram plotting package
Macintosh 512K or larger.

Vector Rose is an orientation analysis application that calculates vector (circular normal) statistics and plots a circular histogram for any set of angular data, or any data with a circular normal distribution. Statistics include: number of observations, maximum class frequency, percent maximum class frequency, class mode, mean, standard angular deviation, resultant amplitude, vector magnitude, percent vector magnitude, Rayleigh test z and F test. Diagrams can be saved as MacDraw PICT or transferred via the Clipboard to any application that accepts graphics. Text and graphic elements are MacDraw-like objects and are fully editable with any Draw-type application.

Features include: geological-styled rose diagrams (arcs) or flight-bearing style unit circles; unidirectional or bidirectional circular (rose) histograms, scaled relative to modal maximum (length or equal area), or scaled to 100 percent. Axis scales may be represented as concentric circles or as a vertical line with tick marks. Variable class intervals are 1, 2, 5, 10, 15, 20, 30 and 45 degrees. The reference position of North or 0 degrees can be rotated to any desired position. There are three modes of data entry: reading text files, Clipboard or keyboard. Keyboard entry allows single or multiple value entries. All data is error checked. Text may be placed anywhere on the diagram. Three help screens provide detailed information on the statistics and the operation of Vector Rose. Vector Rose prints high-quality output to a LaserWriter or an ImageWriter. Once in a Draw application, all elements of the diagram can be edited, and diagrams can be resized or graphically enhanced. Version 2.05 is System 7 compatible.
$145 U.S. retail
$50 U.S. retail; upgrade from any version
Pierre Zippi, PAZ Graphics; 18640 Roads End Cir.; Eagle River, AK 99577; 907-696-5702

WormStat
Statistical analysis
Any Macintosh.

WormStat is designed as a general purpose statistical package and as a tool for helping students learn statistics. The program uses a MacPaint-like format. Data can be stored in rows and columns, entered from the keyboard or from a data file, randomly generated and transferred from a variety of other applications including most spreadsheet and word-processing packages. Once data is available various analyses can be carried out by clicking the appropriate tool from the MacPaint-like palette. Data can be saved, printed and transformed using various available menu options. A list of the program's statistical functions includes arithmetic mean, standard deviation, histograms, median, range, box-and-whisker plots, analysis of variance and more.
$19.95 retail
$100 retail; high school site license
$600 retail; university site license
Small Business Computers of New England, Inc.; PO Box 397; Amherst, NH 03031; 603-673-0228 or 603-673-0767 (fax)

Vertical Markets/Textile Industry

Color'In
Textile design tool
Macintosh Quadra; 16 MB of RAM; color monitor (16- or 19-inch recommended).

Color'In includes all of the functions found in MultiColor, plus yarns and weaves for the creation of realistic-looking woven fabrics, including yarn dyes; a grid format for knits, jacquards and stitchery; and a unique "Colorway" Panel for the automatic creation of up to six colorways. It also includes AVL's color matching utility, Prism.
$17,500 retail
AVL Looms; 601 Orange St.; Chico, CA 95928; 916-893-4915, 800-626-9615 or 916-893-1372 (fax)

ColorBook
Coloring program
Macintosh color PowerBooks; 4 MB of RAM.

ColorBook is a coloring program for the color PowerBook. It reads AVL's own files and custom color lists for quick color changes. It saves files for use in other AVL software.
$2,000 retail
AVL Looms; 601 Orange St.; Chico, CA 95928; 916-893-4915, 800-626-9615 or 916-893-1372 (fax)

ColorMode
Textile mapping
Macintosh Quadra; 16 MB of RAM; 24-bit color monitor (16 or 19 inch recommended).

ColorMode is a 24-bit scanning and texture mapping program for the textile industry. It allows users to "drape" created or scanned fabric over a model or furniture frame. It is perfect for creating story boards or advertising displays.
$6,000 retail
AVL Looms; 601 Orange St.; Chico, CA 95928; 916-893-4915, 800-626-9615 or 916-893-1372 (fax)

■ **Compu-Cleaner**
Improves service for dry cleaning and laundry companies
Macintosh Plus or larger; FileMaker Pro runtime.

Compu-Cleaner is a program developed especially for dry cleaning/laundry companies that feature home delivery and pickup service, enabling them to provide better service to customers by utilizing computer speed, accuracy and efficiency. It handles billing, driver route manifests and customer payment status, which also incorporates fast-access "aging reports" showing balance-due status in 30, 60 and 90-day increments, which are displayed in columns for quick reference. The driver manifest includes instant data on customer delivery dates, addresses, route assignments and amounts to be collected. The program can easily be customized for firms that do not offer delivery service.
$399 retail
Simplified; 642 E. Squirrel Tail Dr.; Tucson, AZ 85704; 602-797-2990 or 602-797-7865 (fax)

Design & Weave/Color
Textile design tool
Macintosh II or larger; 8 MB of RAM; 19-inch color monitor with 1,024 by 768 resolution and standard monchrome monitor.

Design & Weave/Color provides a textile design environment for woven textile design, offering a user a wide selection of tools and options to produce exquisite and complex fabrics. Features include: allows a user to view and revise finished color patterns on screen; prints out a pattern copy plus all of the technical information necessary to weave it; automatically computes plain weaves, twills and satins; combines two designs into one for the creation of extremely complex structures; performs repeats, symmetries and picking motions; designs up to 64 harnesses, 9,000 ends and 9,000 picks; zooms in and out to four different thread sizes; creates drawdowns and patterns for any loom; "weave painting" option allows users to paint weaves on screen with a simple click and drag; interfaces with the AVL Compu-Dobby and Staubli Electronic Dobby Systems; and more.
$10,000 retail
AVL Looms; 601 Orange St.; Chico, CA 95928; 916-893-4915, 800-626-9615 or 916-893-1372 (fax)

Fittingly Sew
Pattern making software
Macintosh Plus or larger; 2 MB of RAM; System 6.0 or later.

Fittingly Sew is a program for fitting and designing clothing patterns. In the fitting portion of the program, users enter a set of measurements (there is no limit on the size range) and Fittingly Sew drafts the pieces for a basic fitting shell or sloper. Once the accuracy of the measurements has been verified, users move to the designing part to develop the shell into a custom-fitted pattern. Specialized tools are available to transfer darts, reshape curves, add fullness, separate pieces (e.g., for yokes) or make facings. Seam allowances can be specified from 0 to 2 inches. Fittingly Sew prints to standard desktop printers — the output can be taped together to get a full-sized pattern. Fabric yardage is easily determined, and layouts can be printed. A demo version is available from Bartley Software Inc. and on various online services.
$149 U.S. retail
$189 Canada retail
Bartley Software Inc.; 72 Robertson Rd.; PO Box 26122; Nepean, Ontario, Canada K2H 9R0; 613-829-6488 or 800-661-5209

Mac Off The Rack
Apparel management system
Macintosh Classic II or larger; 4 MB of RAM; 40 MB hard disk drive.

Mac Off The Rack (MOTR) is an apparel management system that is designed for the small to medium-sized apparel manufacturer/importer/distributor. Features include: sales order processing; allocations of finished inventory; multiple pick tickets per order; UPS-approved shipping system and manifest; invoicing; house and factored accounts receivable; factor chargebacks; salesperson and commissions (single and split); unlimited terms and credit codes; detailed customer records with multiple shipping addresses; vendors/contractors; pattern master with specifications; style master with construction

stage costing and raw material costing with ratings; finished inventory with quantities of ordered, open ordered, on hand, allocated, unallocated, WIP, ordered to cut, etc.; raw materials; cut tickets; bill of materials; and material requirements planning. The system includes the industry standard reports and supports 4D report generators, 4D Write and 4D Calc.
$7,000 retail; single user (multiuser price is dependent on number of users)
Bristol Soft; 11615 Eastshore Dr.; Hayden Lake, ID 83835; 208-762-2442 or 208-772-0612 (fax)

ModaCAD
Computer-aided design and manufacturing system for apparel and textile industry
Macintosh II, Centris or Quadra family.

ModaCAD is a computer-aided design and manufacturing system for fashion designers. It is an integrated productivity tool that allows designers and manufacturers to automate design sketching, draping and textile design. Features include: links all phases of design and manufacturing for increased productivity; full compatibility with existing CAD/CAM systems; a palette of 16.8 million colors; supports all familiar Mac icon drawing tools, pattern fills, pull-down menus and multiple window views; supports scanners, allowing importing and alteration of graphic images; and design/implementation in production of weaving textiles. Modeling and manipulation capabilities include: three-dimensional contour texture mapping; total auto-dimensioning; and an extensive library of historical designers, materials and trims. ModaCAD supports weaving machinery, color printers, scanners, video and film.
$12,500 retail; ModaCAD Design
ModaCAD, Inc.; 1954 Cotner Ave.; Los Angeles, CA 90025; 310-312-6632 or 310-444-9577 (fax)

Monarch Design System
Computer-aided design and manufacturing
Macintosh Quadra family; 12 MB of RAM; color monitor.

The Monarch Design System is a comprehensive, customizable computer-aided design system specifically addressing the needs of the apparel, textile, shoe, home furnishing and surface design industries. Applications and features include: Designing, Merchandising, Sales & Marketing (select designs from fashion libraries and/or create new ones; photorealistic draping of fabrics over scanned photographs); Textile Print Design (scan in/create and recolor textile prints; repeats; half-drops; offsets; and separations); Knit Design (automatic conversion of designs into color or symbolic graph output; stitch simulation; knitting machine interfaces); Woven Design (create woven designs accurately reflecting yarn crossings; generate peg and draft plans); Screen Printing (integrated screen print process from concept to screen separations); Data Management (organize design data; automates and organizes resource listings, costs and specs); and Image Management (organize, search and sort graphic database by user categories).
$12,000 starting price retail
Monarch Computex; 74-10 88th St.; Glendale, NY 11385; 718-894-8520 or 718-416-0330 (fax)

MultiColor
Design tool for printed textiles, surface design
Macintosh Quadra; 16 MB of RAM; color monitor (16- or 19-inch recommended).

MultiColor is a program specifically oriented for the design of printed textiles. It works with commonly used color scanners, throws designs into repeats (all "drops" — half, quarters, etc.) and prints out separations for all colors. Its most outstanding feature is the capability to reduce the number of colors in a scanned image. It includes AVL's color matching utility, Prism.
$10,000 retail
AVL Looms; 601 Orange St.; Chico, CA 95928; 916-893-4915, 800-626-9615 or 916-893-1372 (fax)

P.O.E.M. With P.O.E.M. Designer
Desktop embroidery
Macintosh LC or II family; 2 MB of RAM; System 6.0.7 or later; P.O.E.M. System from AISIN World Corp. of America.

The P.O.E.M. system is a personal desktop embroidery system. The software for this Macintosh peripheral allows users to either import images from various graphics software or scan in images at basically any resolution. The 4 by 4-inch embroidery area provides sufficient room to make very detailed embroidery. This 8 pound machine produces embroidery at 300 stitches per minute. It is an ideal system for light production, sample making and custom-made applications. PICT files can be embroidered on most fabrics. Standard software features include: create stitches on the screen; generate areas of stitches automatically; insert and delete stitches from anywhere within any design; reposition any single stitch within a design; move, rotate, mirror and duplicate any portion of a design; append designs; various search techniques; and two powerful stitching patterns. A PC version and hundreds of stock designs for both Macintosh and PC are available.
$1,498 retail
AISIN World Corp. of America; 24330 Garnier St.; Torrance, CA 90505; 310-326-8681, 800-822-2726 or 310-533-8271 (fax)

Punto 1.0
Design and editing software for embroidery machines
Macintosh II or larger; 6 MB of RAM; hard disk drive with 16 MB of free space; MacPlot Pen Plotter Standard or Professional to support pen plotters and/or GNT 4604 paper tape reader/puncher; System 7.0 or later.

Punto is a powerful embroidery design software package for the Macintosh environment. The program offers a simple-to-use, easy-to-learn integrated system. With Punto, users have the tools to create professional embroidery designs, logos and lettering with speed, accuracy and efficiency. Punto's extensive editing capabilities, including Bezier curve capabilities, enables the drawing of any complex artwork for outstanding embroidery designs. Users can create artwork from scratch, manually trace over scanned images with Punto's powerful drawing tools or, with the auto trace tool, automatically trace over black and white, gray-scale or colored scanned images. Once the image, or portion thereof, is converted into line art, users can choose effects, such as specifying pitch, stitch length, needle/color, tacking, start and stop points, etc. Punto automatically determines the optimum stitching routes. The stitch points can be displayed at any size and edited. Once satisfied with the design and layout, users can transfer the design to disk or paper tape. Punto includes all popular embroidery machine formats. Punto can also interface directly with single-head embroidery machines for small production or embroidery proofs.
$12,000 retail
SofTeam USA, Inc.; 3000 Chestnut Ave., Ste. 100A; Baltimore, MD 21211; 410-243-1130 or 410-467-9552 (fax)

Punto 1.0 Manager
Embroidery design package
Macintosh II or larger; 6 MB of RAM; hard disk drive with 16 MB of free space; MacPlot Pen Plotter Standard or Professional to support pen plotters and/or GNT 4604 paper tape reader/puncher; System 7.0 or later.

Punto Manager is a powerful embroidery design software package for the Macintosh environment. The program offers a simple-to-use, easy-to-learn integrated system. With Punto Manager, users have the ability to import embroidery designs, logos and lettering from the most popular graphics packages on the market. After converting the image, or portion thereof, into line art, users can choose effects, such as specifying pitch, stitch length, needle/color, tacking, start and stop points, etc. Punto automatically determines the optimum stitching routes. The stitch points can be displayed at any size and edited. Once satisfied with the design and layout, users can transfer the design to disk or paper tape. Punto Manager includes all popular embroidery machine formats. Punto Manager can also interface directly with single-head embroidery machines for small production or embroidery proofs.
$3,200 retail
SofTeam USA, Inc.; 3000 Chestnut Ave., Ste. 100A; Baltimore, MD 21211; 410-243-1130 or 410-467-9552 (fax)

Vertical Markets/Vehicle Management

Fuel Tax Specialist
Calculates fuel taxes for trucking businesses
Macintosh 512K or larger.

Fuel Tax Specialist is a program for trucking businesses that calculates fuel taxes in 48 states. Taxes owed or credits are distributed among the trucks in the business according to each truck's mileage and fuel purchases in each state. The program will print reports by state or by truck.
$1,400 retail; single user with Omnis 3 Plus Runtime
$2,900 retail; multiuser (requires Multiuser Omnis 3 Plus)
H&D Leasing; PO Box 1137; Clovis, NM 88101; 505-762-4139 or 505-769-3711 (fax)

Keep On Trucking
Maintains accounts receivable, payroll and settlement records for interstate trucking businesses
Macintosh 512K or larger.

Keep On Trucking maintains accounts receivable, payroll and settlement records for interstate trucking businesses. Users enter deadhead and loaded mileage codes and the program retrieves the codes for each trip with the same shipping and destination cities. The program bills the trip, load/unload charges and stop charges and automatically deducts an advance and brokerage fee from the amount billed. It also records advances and expenses for each trip. Drivers may be paid a wage, per diem and a drop pay. Paychecks are calculated using a cents-per-mile scale or a percentage of the load. Any amount owed to the business from the previous pay period is automatically withheld. The system will also calculate weekly settlements to owner/operators leased to the business' authority.
$1,400 retail; single user with Omnis 3 Plus Runtime
$2,490 retail; multiuser (requires Multiuser Omnis 3 Plus)
H&D Leasing; PO Box 1137; Clovis, NM 88101; 505-762-4139 or 505-769-3711 (fax)

MVP Advantage System For Car Dealerships
Car dealership management
Macintosh Plus or larger; 2 MB of RAM (4 MB for System 7); 40 MB hard disk drive.

MVP is a powerful and easy-to-use system for running a car dealership. It is a comprehensive package with F&I, inventory management, prospecting, credit reporting, parts and service, customer follow-up, finance tracking, car rental and personnel scheduling modules. The integrated accounting system can handle the needs of even the largest multiple dealerships. The reporting and analysis module is extremely powerful with dozens of reports and graphs available at the click of a button. MVP is a fourth generation system, giving a car dealer many capabilities that are unavailable elsewhere. The proprietary CompuQuote system and graphical sales tools help increase sales and profitability. LendTrak automates the process of getting customers financed. MVP Pro is designed for new car dealerships. MVP Lite is for independent used car lots.
$2,995 retail; MVP Lite
$6,995 starting price retail; MVP Pro
Additional modules are available
American Information Network, Inc.; 29000 S. Western Ave., Ste. 310; Palos Verdes, CA 90732; 310-519-0605 or 310-547-9289 (fax)

RentAll
Car and truck rental
Macintosh Plus or larger; 2 MB of RAM; System 6.0.7 or later.

RentAll brings a new level of power to car and truck rental agencies, automating the entire reservation, rental and exchange process. It is designed for ease of learning and use to boost productivity and reduce training costs for high-turnover counter positions. The comprehensive package provides invoicing, contracting, reservation, fleet management and maintenance. The optional integrated accounting system includes General Ledger, Accounts Receivable, Accounts Payable, Payroll and Inventory. The system tracks all payments, refunds and billings for each rental. It handles insurance and corporate accounts, and has extensive reporting capabilities. An exclusive Activity

These Products Available Through Bottom Line Distribution
1-800-347-1923

Calendar spotlights work scheduled or performed on any present, past or future date. RentAll maintains a complete record of all work performed on each vehicle and accumulated expenses. It alerts users when vehicle maintenance and oil changes are due, as well as when license tags expire. It allows an unlimited number of stored rate structures, accounts and vehicles. The network version handles up to 48 computers at any site and can connect multiple locations.
$1,595 retail; single user
American Information Network, Inc.; 29000 S. Western Ave., Ste. 310; Palos Verdes, CA 90732; 310-519-0605 or 310-547-9289 (fax)

S.A.M. Lite
Automotive management
Macintosh Plus or larger; hard disk drive; ImageWriter II.

S.A.M. Lite is a computerized automotive service shop business management system. Lite will produce professional-looking estimates, worksheets and repair orders. It allows for automatic calculation of shop supplies and environmental recycling charges. It reminds users when prior recommendations exist on a vehicle, allowing them to increase sales. The program produces profit reports and productivity ratios, and sends service reminders and thank-you notes to customers. Lite is fully upward compatible with Smart Automotive Manager.
$99.95 retail
Integra Management Systems; 2525 Lawndale Rd., Ste. C; Kenwood, CA 95452; 707-833-1823 or 707-833-2596 (fax)

Smart Automotive Manager III
Automotive garage management and marketing system
Macintosh Plus or larger; hard disk drive; ImageWriter.

Smart Automotive Manager III is Integra Management Systems' mid-range management and marketing system for automotive garages. Smart Automotive III writes professional estimates and repair orders, notifies service writer of prior recommendations and scheduled maintenance on vehicles, allows for automatic calculation of environmental recycling charges and shop supplies, shows estimated profit as a repair order is written and recalls years of detailed service history at the click of the mouse. Smart Automotive Manager III includes Inventory Control, Order Entry, Labor and Job Codes, customer follow-up, profit reports, technician productivity reports and much more.
$1,995 retail
Integra Management Systems; 2525 Lawndale Rd., Ste. C; Kenwood, CA 95452; 707-833-1823 or 707-833-2596 (fax)

Smart Automotive Manager IV
Automotive repair shop management and marketing
Macintosh Plus or larger; hard disk drive; ImageWriter II.

Smart Automotive Manager IV is the top-of-the-line management and marketing system for automotive garages and other types of repair and service businesses. It writes professional estimates and repair orders, notifies service writers of prior recommendations and scheduled maintenance, calculates environmental recycling charges and shop supplies, shows estimated profit as a repair order is written and quickly recalls years of service history. The program includes a point-of-sale module for parts sales. It allows multiple pricing levels to price sales to retail customers, dealers, jobbers, distributors and other trade accounts. Purchase orders features a "best pricing" option that searches for the lowest cost from vendors. An integrated Accounts Receivable and Accounts Payable prints customer statements and writes checks. Customer follow-up and marketing is easily accomplished by generating postcards, mailing labels and mail merge documents. Shop profitability, productivity ratios, tax reports and daily recaps are printed quickly and easily. A powerful General Ledger module allows users to see their company's economic health in a minute. Smart Automotive even talks to users in a clear, human voice.
$3,495 retail; single user (multiuser available)
$695 retail; General Ledger module
Integra Management Systems; 2525 Lawndale Rd., Ste. C; Kenwood, CA 95452; 707-833-1823 or 707-833-2596 (fax)

Transportation Workorder/Dispatch Logging/Billing
Tracks workorders
Macintosh II; 13-inch monitor; Omnis 5 or runtime.

Transportation Workorder/Dispatch Logging/Billing (TWDB) is designed to track workorders for local and road trucking services. Workorders are entered, printed and maintained in an active queue. As they are dispatched, a log entry is made recording truck/driver, identification numbers and movement leg. Multiple invoices can be generated for each workorder and may be tied to the Great Plains Accounting System for accounts receivable, cash management, payroll, accounts payable and general accounting. Dispatch logs may be printed for each workorder and for each driver to generate compensation worksheets for company owned and owner operated trucks. TWDB also provides historical information by chassis and container numbers for research. All installations include customization, training and support.
$15,000 to $20,000 retail
O.Sage Consultants, Inc.; 802 Soboda Ct., Ste. 200; Houston, TX 77079; 713-493-5949

Truck Tracker
Simplified business management for the trucking industry
Macintosh Plus or larger.

Truck Tracker manages nearly every aspect of a small to medium size interstate trucking company. The program is intended to enable carriers with two or more trucks to better manage their equipment and manpower. Truck Tracker provides functions to assist in dispatching, load management, customer invoicing, driver and equipment assignments, driver expense reporting and payroll. Freight bills and checks for expense and payroll are generated and can be printed at any time. Fuel consumption can be tracked against both vehicles and drivers. Maintenance records are printed for insertion into the log book. The program handles leased equipment and non-payroll drivers, as well as loads brokered to other carriers. On demand reports help discover areas of inefficiency, excessive expenses or other areas important in trucking operations. Data can be charted or graphed for comparative or other reasons.
$1,995 retail; single user
$3,995 retail; multiuser five-pack
Footprints, Inc.; 2469 E. 7000 South, Ste. 207; Salt Lake City, UT 84121; 801-942-1580, 800-635-5280 or 801-942-1582 (fax)

Turbo-Mac I
Entry-level automotive repair shop management system
Macintosh Classic or larger; 2 MB of RAM; hard disk drive; ImageWriter II.

Turbo-Mac I is an entry-level automotive repair shop management system that provides a range of management tools designed to improve shop efficiency, productivity and profitability. Program functions include: complete tracking of both customer and vehicle information, as well as the ability to make notes, comments and reminders; produces mailing labels and service reminders for mail merging; generation of estimates and repair orders; parts inventory and purchase management, including complete vendor records, pricing detail and order tracking; automatically applies parts to customer invoicing and picks up miscellaneous shop parts charges, sublet labor and other details; complete bookkeeping, including management reports and accounts receivable tracking; and scheduling for both work flow control and personnel management.
$3,800 retail; software only
$5,795 retail; complete single-user system (includes hardware)
Micron Computer Co., Inc.; 401 Mobil Ave., Ste. 8; Camarillo, CA 93010; 805-482-0702 or 805-388-1542 (fax)

Turbo-Mac II
Complete automotive repair shop management system with estimating module for Mitchell or Motor Parts and Time Guides
Macintosh Classic or larger; 4 MB of RAM; hard disk drive; ImageWriter II.

Turbo-Mac II is a comprehensive automotive repair shop management system that provides a range of management tools designed to improve shop efficiency, productivity and profitability. Program functions include: complete tracking of both customer and vehicle information, as well as the ability to detail comments regarding recommended services; produces mailing labels and service reminders for mail merging; generation of estimates and repair orders; parts inventory and purchase management, including complete vendor records, pricing detail and order tracking; automatically applies parts and labor charges to customer invoices and provides for shop supply charges, sublet labor, parts kits, library of labor functions and other details; complete bookkeeping, including extensive management reports and accounts receivable tracking; and scheduling for both work flow control and personnel management. Multiuser systems are available.
$6,200 retail; software only
$7,995 retail; complete single-user system
Micron Computer Co., Inc.; 401 Mobil Ave., Ste. 8; Camarillo, CA 93010; 805-482-0702 or 805-388-1542 (fax)

■ **Used Vehicle/Vehicle Salvage**
Keeps used vehicle and salvage inventory
Macintosh Plus or larger (68030 processor recommended); 2 MB of RAM; System 6.0 or later (System 7.1 recommended); hard disk drive.

Used Vehicle/Vehicle Salvage is two independent files. Used Vehicle file allows users to keep track of their used vehicle inventory. Vehicle information, along with two photos for each vehicle can be entered. Asset reports, asset listings, sales reports and sales listings can be generated. Vehicle Salvage file is designed to help vehicle salvage owners keep track of the salvage inventory. Detailed information about vehicles and parts, along with two photos and lot location can be entered. Included are general data, body parts, electrical parts, drive train parts, chassis parts and engine parts layouts. A financial assets summary can be generated and users can perform parts "Finds."
$49.95 retail
$5 retail; limited access demo
HPO Soft; 7812 W. Clayton Dr.; Phoenix, AZ 85033; 602-848-9758 or 602-849-5889 (fax)

Vertical Markets/Other

Accession 2.1
Collections management for museums and private collections
Macintosh Plus or larger; hard disk drive recommended.

Accession is a specialized database designed to catalog and retrieve collections data for art, history, archives, natural history, archaeology, geology, etc. Specialized fields are used to provide maximum flexibility and accuracy of data organization and rapid data entry and retrieval. Major groups of data, such as donor or artist information, and actions, such as loans or conservation, are stored in separate files and linked to the catalog entries. A search window showing all data fields permits direct entry of multiple criteria for any set of records. In the "Report" mode, users can also specify details, such as the sorting and grouping order, and include data from related files. The resultant report can be printed directly or exported to a word processor. Options include image capability and a multiuser version. Data import from other databases and customization for any type of collection are available.
$995 retail; base price
OakTree Software Specialists; 498 Palm Springs Dr., Ste. 100; Altamonte Springs, FL 32701; 407-339-5855

Apparel Industry BOSS
Business management system for apparel industry distributors
Macintosh with 8 MB of RAM.

Apparel Industry BOSS is a complete business management system offering integrated accounting for apparel industry distributors with complex inventory control and pricing needs. Inventory control includes unlimited price levels and vendors per item, styles, colors, sizes with separate lot costing and pricing, real-time updating of lots across warehouses, pick tickets and cut tickets for production, materials tracking by unit measure as utilized in production, purchase orders

generation by just-in-time fulfillment, alert quantities and drop ship. Features include multiple shipping addresses, multiple warehouses, individual/batch processing, matrix entry for entry of sizes/colors within styles and purchase order conversion from sales orders with job costing. It allows invoice detail, access to fabric or pattern graphics/specs during orders, just-in-time orders, "quote" and "hold" orders and automatic backorder handling. It offers a Prospects file for lead tracking, Salesforce module, end-user registration tracking, customer product purchase history, daily sales tracking, geographic marketing analysis and complete office management.
$10,000 retail
MicroWorks Businessworld, Inc.; 305 Riverside Dr., Ste. 4A; New York, NY 10025; 212-932-0001 or 212-316-0399 (fax)

ArtStacks
Fine art management software
Macintosh II or larger; System 7.0; 8 MB of RAM.
ArtStacks is a fine art management program for galleries, collectors and artists. Based on HyperCard, it is visually oriented and very easy to learn and use. The interactive stack design allows for proper information management without having to repeat needless tasks. For example, when a sale takes place, the work is transferred from Active to Sold Inventory; the client's card in the Mailing List is updated; the Invoice is written; and the Account Card is credited. The program allows each user to modify it to best meet their needs. Easily customized reports include the slide labels, wall labels, price lists, insurance reports, client summaries and accounting reports. The inventory cards can also have high-resolution color images attached to them for fast visual reference. The program includes installation, training and one year of support. Image and data entry, as well as data conversion services are also available.
$4,500 to $8,000 retail
ArtStacks; 57 Marguerite Ave.; Mill Valley, CA 94941; 415-388-6917 or 415-389-6172 (fax)

Auto Scheduler
Sports scheduling
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.3 or later.
Auto Scheduler is sports scheduling software that automates the complex league scheduling process. It can be used to schedule any sporting activity or competition, from team events like softball or baseball, to individual competitions like tennis or racquetball. The program automates the scheduling of games for one or more leagues, for any sport. The Facility File can be user defined to schedule ball fields (soccer, football, baseball, softball, etc.) or courts (basketball, racquetball, tennis, etc.). Additional files can be set up for additional fields or courts to create multiple schedules. Schedules are balanced as to home/visiting games, times, etc. If playing on multiple fields/courts, randomization will balance and spread teams/players evenly across available times and fields/courts. With multiple choice pull-down menus and button objects, printing schedules and displaying the data in various user-definable forms are implemented with great ease.
$299 retail; Release 3.0
$495 retail; Release 4.0
Amalgamated SoftWorks, Ltd.; 1600 18th Ave. NE; PO Box 18084; Minneapolis, MN 55418; 612-649-4481 or 612-788-8759 (fax)

Catalog And Ordering System (COS)
Electronic catalog
Macintosh II family; 5 MB of RAM.
The COS software system allows users to create electronic catalogs, such as Display Net. The COS Data Entry Tool is used to input and link digitized catalog graphics with associated text data. The COS Publishing Tool creates and organizes the catalog pages using the combined graphic(s) and text data prepared by the Data Entry Tool. The Publishing Tool also builds the graphic navigation structure of item categories from which items may be located and a search dialog for finding items using numerous criteria. The COS Catalog Viewing Engine is the application that allows users to read and use the catalog. It provides the driving software and routines for the catalog functions, including viewing, searching, selecting, comparing, modifying, ordering and administrating, as well as providing user help and automatic telecommunications.
Call for pricing; site licenses available
Electronic Catalog Corp.; PO Box 111; Cincinnati, OH 45201; 800-777-7770

ClearLogistics
Field service inventory management
Macintosh II or larger; 6 MB of RAM; MacTCP software.
ClearLogistics is part of Clarify's comprehensive Customer Service Management System, a client-server application for managing a service and support business. ClearLogistics efficiently manages service-related inventory, maintains part-quality information and tracks the costs associated with service repairs. ClearLogistics manages inventory to user-defined minimums at user-defined stock locations. Field engineers and logistics personnel use ClearLogistics to check for spare parts availability, transfer parts, determine and manage inventory levels, generate and track RMAs and log repair activity. ClearLogistics tracks cost information by product, subassembly, part and serial number and uses this information to calculate the cost of repairs, inventory valuation and other financial and accounting measures. ClearLogistics provides interfaces to billing, financial and MRP systems. Clarify products are easily customizable for each organization's business. They run on PCs running Windows, Macintosh computers and Unix systems running Motif. ClearLogistics integrates with ClearSupport, Clarify's technical support applications and ClearQuality, Clarify's defect tracking application.
Call for pricing
Clarify Inc.; 2702 Orchard Pkwy.; San Jose, CA 95134; 408-428-2000 or 408-428-0633 (fax)

ClearQuality
Defect tracking system
Macintosh II or larger; 6 MB of RAM; MacTCP software.
ClearQuality is part of Clarify's comprehensive Customer Service Management System. ClearQuality is a defect tracking system used by product development and support organizations. It records all defect-related information, such as priority, severity, product module and description. ClearQuality maintains complete history of each defect or change request throughout its lifetime. Users can attach code samples, debugging files or other diagnostic aids. ClearQuality insures problems are addressed by tracking ownership and deadlines. Users can locate and monitor trends on existing defects using its built-in query tool. Clarify products are easily customizable for each organization's business. They run on PCs running Windows, Macintosh computers and Unix systems running Motif. ClearQuality integrates with ClearSupport, Clarify's technical support application and ClearLogistics for service inventory management.
$4,000 retail; per concurrent user
Clarify Inc.; 2702 Orchard Pkwy.; San Jose, CA 95134; 408-428-2000 or 408-428-0633 (fax)

ClearSupport
Customer service
Macintosh II or larger; 6 MB of RAM; MacTCP software.
ClearSupport is part of Clarify's comprehensive Customer Service Management System. It is a client-server application for managing a service and support business. ClearSupport solves today's service challenges, such as high-volume call tracking, intelligent problem solving, service contract verification, customer configuration management and easy report generation. ClearSupport is the primary environment for handling customer calls (aka "cases"). It allows service professionals to create and log cases, set priority, route them within the organization, review the customer's history and track time and expenses associated with each case. ClearSupport's expert system module for matching problems and solutions insures that recurring problems are recognized and not solved over and over. It insures that customers get consistent, traceable answers regardless of who helps them. Clarify products are easily customizable for each organization's business. They run on PCs running Windows, Macintosh computers and Unix systems running Motif. ClearSupport integrates with ClearQuality, Clarify's defect-tracking applications and ClearLogistics for service inventory management.
$6,000 retail; per concurrent user
Clarify Inc.; 2702 Orchard Pkwy.; San Jose, CA 95134; 408-428-2000 or 408-428-0633 (fax)

Club Management System
Keeps club or association membership information
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; open versions require Double Helix.
Club Management System is designed to keep membership information for clubs or associations. Included is a dues structure file to produce annual billing statements. Also included are set-ups to handle committee assignments and produce committee mailing lists. The membership file includes areas for storing information about family members and includes provisions for a summer and winter mailing address, which is triggered automatically on the basis of date on an individual basis. Mailing list capability is provided. A Yacht Club Module is available that keeps track of boats, slip assignments and winter and summer storage costs.
$750 retail; Club Management System
$250 retail; Yacht Club Module
Macintosh Business Systems, Inc.; 3 Country Ln.; Mamaroneck, NY 10543; 914-698-7215

CurrenTides
Predicts ocean tides and currents
Macintosh Plus or larger; 1 MB of RAM.
CurrenTides is a software module that predicts ocean tides and currents at selected locations for graphical displaying on Macintosh computers. The software can operate in a stand-alone mode, or can be used in conjunction with the company's existing Navigate! software. The program uses the harmonic method, which studies the tides or currents at one location for about one year. Each day the tide is measured many times, and the measurements are processed to extract the influence of the sun and moon on the tides or currents at that location. The motion of the sun and moon is predictable. This motion and its effect on measured tides and currents are used to predict future tides and currents. CurrenTides draws a graph that shows the height of the tide or speed of the current during a one-day or multiple-day period. The sunrise and sunset times and the phase of the moon are calculated and displayed on the graph.
$150 retail
Fair Tide Technologies, Inc.; 18 Ray Ave.; Burlington, MA 01803; 617-229-6409, 800-732-3284 or 617-229-2387 (fax)

DirectMail BOSS
Business management system for the direct mail industry
Macintosh with 8 MB of RAM.
DirectMail BOSS is a complete business management system offering integrated accounting for the direct mail industry. It is ideal for companies requiring quick entry of telephone orders with generation of purchase orders and drop shipping. Features include multiple warehouse shipping, individual/batch processing, invoice detail, serial number entry, unique quick line item entry, just-in-time orders, "quote" and "hold" orders, customer product purchase history during order entry, end-user registration, warranty tracking and automatic backorder handling. It offers a Prospects file for mailing lists, lead tracking, control of mailings and telephone campaigns, sales efficiency tracking via source of lead, management of Salesforce and commissions, end-user registration tracking, customer product purchase history, daily sales tracking, geographic marketing analysis and complete office management. Inventory control includes unlimited "lots" per item based on supplier or accessories, real-time updating of lots across warehouses, unlimited price levels and vendors per item, assembly/package production and item schematics/specs accessible during order entry.
$10,000 retail
MicroWorks Businessworld, Inc.; 305 Riverside Dr., Ste. 4A; New York, NY 10025; 212-932-0001 or 212-316-0399 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

Document Storage System
Document storage facility management
Macintosh Plus or larger; 2.5 MB of RAM (4 MB with System 7); hard disk drive or other mass storage device; 9-inch or larger monitor; ImageWriter, LaserWriter or compatible printer.
Document Storage System handles the rates, billing and receivables of facilities storing large quantities of documents in a warehouse environment. Monthly billing is automatic, and receipts are entered with a click of the mouse. The program produces invoices, payments due, receivables aging, notices, contracts, availables and more, and features a 2,560 MB data file capacity.
$1,299.95 retail; single user
$1,999.95 retail; multiuser
Diversified Computer Applications; PO Box 1142; Du Quoin, IL 62832; 618-357-3619

Electronics Industry BOSS
Business management system for electronics industry distributors
Macintosh with 8 MB of RAM.
Electronics Industry BOSS is a complete business management system offering integrated accounting for electronics industry distributors with complex inventory control and pricing needs. It features multiple shipping addresses, multiple warehouses, individual/batch processing, invoice detail, serial number entry, end-user registration, warranty tracking, service and repair handling, drop shipping, unique quick line item entry, just-in-time order processing, "quote" and "hold" orders, backorder handling and packages or kits creation built around a central item. It includes unlimited "lots" per item, real-time updating of lots across warehouses, unlimited price levels, vendors and vendor part numbers per item, assembly and package production, generation of purchase orders based on alert quantities or just-in-time fulfillment, item schematics and technical specs available during order or quote entry. It includes a separate Prospects file for lead tracking, Salesforce module, customer product purchase history, daily sales tracking, geographic marketing analysis and complete office management.
$10,000 retail
MicroWorks Businessworld, Inc.; 305 Riverside Dr., Ste. 4A; New York, NY 10025; 212-932-0001 or 212-316-0399 (fax)

Emergency Response Personnel System
Manages emergency and response personnel
Macintosh Plus or larger; 2 MB of RAM.
The Emergency Response Personnel System was custom developed for the Transmission and Distribution Engineering Department of a major utility. The system manages substation and transmission line emergency and storm response personnel for the engineering department, including emergency personnel, active teams, service centers, skill definitions and job definitions. The system builds teams based on previous location experience, job level, current availability and a variety of other criteria.
Call for pricing; depends on customer specifications
Journey/North Sound Development; PO Box 1151; Mukilteo, WA 98275; 206-259-2659

Enroller Seven
Training
Macintosh Plus or larger; hard disk drive.
Enroller Seven provides a database engine that will manage enrollments, keep an active training history and record and print financial, attendance and a variety of other information. It is interoperable between the Macintosh and Windows platforms and also supports client/server databases. Tool palettes give users the option of displaying the command choices graphically. Certain functions may be disabled to suit a specific training environment. Security is provided at the task level. Key functions of Enroller Seven are: enroll new students; track student progress; record attendance and grading; record payments; schedule instructors; maintain class budgets; and maintain department budgets. Users can print and/or view training histories; rosters; enrollment summaries by class, sales code or departments; confirmation letters; letters to supervisors; congratulations letters; nametags or name tents; award certificates and diplomas; invoices; cash control and accounting data; corporate remittance and enrollment reports; salesperson commissions; and comparison of budgeted to actual enrollments.
$2,690 retail; single user
$4,485 starting price retail; multiuser (three users)
Computer Dynamics; 1905 Wisteria; Denton, TX 76205; 817-566-5515, 800-566-4447 or 817-382-5089 (fax)

Equipment Rental Management System
Rental management
Macintosh Plus or larger.
Equipment Rental Management System is designed for use by any company that rents any type of equipment. The program tracks reservations, equipment repair costs, equipment rental income history and more. It also tracks customer information, such as number of rentals, amount spent on rentals, etc. The program generates invoices, delivery tickets, pickup tickets, customer mailing labels and more. Several versions are available to meet specific requirements.
$495 retail
$25 retail; demo
S&J Enterprises; PO Box 1134; Bettendorf, IA 52722; 319-332-1188 or 319-332-4252 (fax)

ERMS
Emergency resource management system
Macintosh II or larger; hard disk drive.
ERMS is a stand-alone system for managing emergency resource personnel and equipment. Equipment and personnel can be assigned to teams during an incident and placed in stand down status when necessary. Call out and arrival of personnel and equipment can be tracked in real time. All equipment is tagged by Owner, Location, Area (OLA) and equipment type. Four complete screens provide for dozens of descriptive fields tailored to the emergency response organization. Personnel records track skills, training, ICS positions, organization and response team membership. The complete database can be exported and merged with other databases from various emergency organizations within a geographic region. Dozens of reports and an ad hoc report generator make ERMS the tool of choice for government agencies, petroleum and chemical industries and any emergency preparedness organization. ERMS is cross-platform; data can be shared by Macintosh computers and PCs.
$2,500 retail; single user (multiuser available)
TMA Systems, Inc.; 5232 E. 69th Pl.; Tulsa, OK 74136; 918-494-2890 or 918-494-4892 (fax)

Explosives And Pyrotechnics Database
Database files, Illustrator files and critical text files for military, demolition, construction, mining, logging, excavation and fireworks
Macintosh Plus or larger; System 6.0.2 or later.
Explosives and Pyrotechnics Database contains everything users must have to manufacture plastic explosives, blasting powder, explosive chemicals, blasting caps, detonators and fireworks. Use of this information is for those with much more than common sense. This software is not for the prankster, it is for the serious expert. The Database allows users to cross reference materials and apparatus for safety and thoroughness, illustrator files detail apparatus and safety mechanisms. Critical text files describe procedures of manufacturing and ensure safe manufacture.
$225 retail
Survival Software; PO Box 43; Oceanside, CA 92049; 619-439-4564

FlexiBill
Water/sewer/refuse billing system
Macintosh SE/30 or larger; 4 MB of RAM; System 7.0 or later.
FlexiBill is a single or multiuser billing system for municipal water, sewage or refuse. It sends metered, estimated and final postcard bills. It allows for automatic meter entry from diskette or modem. Postcard bills can be sent to any of three full billable addresses, including copies to landlords. The system allows for any account numbering system, different meter sizes, unlimited rate levels, multiple billing cycles, multiple rented units, non-metered billing formulas, surcharges assessed by location and 30-day landlord notification of tenant arrears. Comments can be added to any transaction. Modules include lien tracking, interest and penalty assessment, security deposit tracking, account aging, and a custom report generator. The system maintains cash receipts, adjustments, receivables, penalties, interest and promises to pay on a complete customer history screen. Reports include billing register, delinquency list and letters, complete customer history, aging and activity reports. File size is limited only by disk space.
$595 to $3,995 retail
Pennsylvania House Limited; PO Box 338; Ingomar, PA 15127; 412-367-7234 or 412-367-8220 (fax)

Flight Plan 4.0
Flight-planning software including airport and navaid database
Macintosh SE or larger; 2 MB of RAM; hard disk drive; Microsoft Excel 4.0 or later.
Flight Plan is a complete flight planning package that allows a user to quickly prepare VFR, IFR, LORAN and RNAV flight plans. Taking full advantage of the Macintosh pull-down menus and dialog boxes, the program is available with directories (databases) to cover every civil-use airport with at least one paved runway, and every VOR and NDB in the United States, Canada, Latin America, the Caribbean, South America and Australia. Flight Plan also includes weight and balance and pilot log book features. A subscription update service is available to keep directories and software up to date. Other features include: select airports and navaids by identifier, by name or browse through the alphabetic listing; plan a flight for minimum time or minimum fuel; prepares a flight summary and a custom-designed navigation log for each flight; prepares a return trip flight plan with a single keystroke; allows users to enter the actual performance and weight and balance data for their aircraft and the way they fly it; allows users to store any number of aircraft in its Aircraft Directory for easy comparison; allows users to save complete flight plans for reuse; and more.
$129.95 retail; includes full U.S. directory set
$49.95 each retail; additional international directories
IGS International; 130 Redwood Pl.; Scotts Valley, CA 95066; 408-438-2276 (phone/fax)

Food Industry BOSS
Business management system for food distributors
Macintosh with 8 MB of RAM.
Food Industry BOSS is a complete business management system offering integrated accounting for food distributors with complex inventory control and pricing needs. It includes unlimited "lots" per item based on freshness, quality or supplier, real-time lots updating by warehouse, unlimited price levels and vendors per item, tracking and sales by piece, case, block or pallet, trucking management via picklist over special routes or delivery zones and generation of purchase orders based on alert quantities or just-in-time fulfillment. It tracks contracts for import/export. Features include multiple shipping addresses, multiple warehouses, individual/batch processing, invoice detail with unit measures, pricing per ounce, kilo, etc., and weights/measures entry, unique quick line item entry, drop shipping, "quote" and "hold" orders, automatic backorder handling and order item shipping by warehouse, ship date, refrigeration, etc. It includes a separate Prospects file for lead tracking, Salesforce module, customer product purchase history, daily sales tracking, geographic marketing analysis and complete office management.
$10,000 retail
MicroWorks Businessworld, Inc.; 305 Riverside Dr., Ste. 4A; New York, NY 10025; 212-932-0001 or 212-316-0399 (fax)

Football Scouting And/Or Stat Tracking
Tracks a wide range of statistics that can be used to determine strategies against opposing teams
Macintosh Plus or larger; 1 MB of RAM; System 6.0.3 or later.
Football Scouting tracks a wide range of statistics that can be used to determine strategies against opposing teams. Users can track their own players' capabilities against other teams under a multitude of conditions and circumstances. The program provides presentable data for planning both offensive and defensive strategies. A powerful, easy-to-use Report Editor enables users to design their own custom reports for printing. Customizations for specific needs are available under binding estimate. Data can be imported

from an existing database, such as FileMaker Pro or Microsoft Works. It is System 7 compatible.
$249 retail
Amalgamated SoftWorks, Ltd.; 1600 18th Ave. NE; PO Box 18084; Minneapolis, MN 55418; 612-649-4481 or 612-788-8759 (fax)

Fully Automatic
DXF, Illustrator and text files that detail the conversion of semi-automatic weapons
Macintosh Plus or larger; System 6.0.2 or later.
Fully Automatic is a set of CAD, Illustrator and text files that detail the conversion of many popular semi-automatic weapons to fully automatic operation. The DXF files may be imported by most of the popular computer-aided design applications. The Illustrator files show modification details. The text files describe the modifications.
$125 retail
Survival Software; PO Box 43; Oceanside, CA 92049; 619-439-4564

Gallery-Wise
Gallery management
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.
Gallery-Wise is an information management system for art galleries (and similar businesses). Its crystal-clear, no-nonsense design provides intuitive access to the information a gallery needs every day. Gallery-Wise maintains mailing and inventory lists and the all-important relationships between them. Clients can be listed in order of total purchases, and artists in order of total sales. The mailing list includes each person's interests and purchases. The "Contact List" report shows all clients interested in a given artist or topic. Inventory tracking includes works owned and consigned, past and present. And of course Gallery-Wise generates mailing labels, invoices, consignment forms and insurance reports.
$1,750 retail; demo disks available
Roy Sablosky Design; 21 Brookmont Cir.; San Anselmo, CA 94960; 415-454-5771

Gift Industry BOSS
Business management system for gift industry distributors
Macintosh with 8 MB of RAM.
Gift Industry BOSS is a complete business management system offering integrated accounting for gift industry distributors with complex inventory control and pricing needs. It includes a Prospects file for lead tracking, Salesforce module, customer product purchase history available during order entry, daily sales tracking, geographic marketing analysis and complete office management. Features include multiple shipping addresses, multiple warehouses, individual/batch processing, invoice detail, assembly/package production, unique quick line item entry, drop shipping, just-in-time ordering for inventoried items not on hand, "quote" and "hold" orders and high-speed backorder handling. Inventory control includes unlimited "lots" per item with pricing for each lot, real-time updating of lots across warehouses, unlimited price levels and vendors per item, case and casebreak capabilities, generation of purchase orders based on either alert quantities and drop ship commitments or just-in-time fulfillment. It provides access to item graphics or schematics during ordering and purchasing, and tracks contracts for import/export.
$10,000 retail
MicroWorks Businessworld, Inc.; 305 Riverside Dr., Ste. 4A; New York, NY 10025; 212-932-0001 or 212-316-0399 (fax)

Harbor Master
Ocean tide and tidal current predictor
Macintosh Plus or larger.
Harbor Master predicts ocean tides and tidal currents. Harbor Master covers the east, west and gulf coasts of the United States, plus Canada, Hawaii and Alaska. It shows the sunrise and sunset times, along with moon phase. All data can be shown both graphically and in a text format. Harbor Master draws a curve that shows the height or motion of the water throughout the day. Highs, lows or floods, ebbs and slacks can be annotated. The graph is shaded to show sunrise and sunset times. Calendars can also be created.
$50 retail; per region per year
Zihua; PO Box 51601; Pacific Grove, CA 93950; 408-372-0155, 800-659-0155 or 408-372-4862 (fax)

LS-Flights
Aircraft and pilot management, including charter billing
Macintosh LC or larger; 2 MB of RAM; hard disk drive.
LS-Flights is a multiuser system for companies that manage a fleet of aircraft. The system includes an extensive list of airports and FBOs. It allows production of trip and flight logs and full management of aircraft and pilot operations. LS-Flights is an Omnis 5 application. The optional multiuser integrated accounting package offers an extended General Ledger and Accounts Payable, Accounts Receivable and Inventory Control functions. The Inventory includes its own billing for operations providing repair and maintenance work on aircraft. The two systems are separate applications that easily exchange data through automatic data transfer.
$6,995 retail
$10,005 retail; with integrated accounting (G/L, A/P, A/R, Inventory)
Logisoft, Inc.; 128 Villa Ct.; Lafayette, CA 94549; 510-939-3556 or 510-939-3557 (fax)

LS-Fuel Air
Billing system for airport Fixed Base Operations (FBOs)
Macintosh SE/30 or larger; hard disk drive; printer.
LS-Fuel Air is a multiuser billing system for Fixed Base Operations (FBOs) on airports. FBOs are companies that sell fuel at airports, as well as provide basic maintenance (LAV, wash, catering, etc.) to aircraft. This billing system offers a wide range of discount options that may be specified on a customer to customer basis. LS-Fuel Air is an Omnis 5 application. The optional multiuser integrated accounting package offers extended General Ledger, Accounts Payable, Accounts Receivable and Inventory Control functions. The Inventory includes its own billing for operations providing repair and maintenance work on aircraft. The two systems are separate applications that easily exchange data through automatic data transfer.
$5,995 retail
$9,995 retail; with integrated accounting (G/L, A/P, A/R, Inventory)
Logisoft, Inc.; 128 Villa Ct.; Lafayette, CA 94549; 510-939-3556 or 510-939-3557 (fax)

Mac LawnMan
Lawn care management and accounting
Macintosh Plus or larger; hard disk drive; ImageWriter or LaserWriter.
Mac LawnMan is a complete lawn management and accounting package designed for companies specializing in lawn care. Features include an unlimited database size; complete customer file in detail; automatic cost calculation during order entry, including applicable discounts; confirmation letters for orders and statements for uncollected accounts; daily optimum truck and service scheduling; full invoice printed out with the customer, technician and office copies on one sheet including notes to customers, instructions to driver, etc.; accounts receivable reports for past-due accounts with full aging; detailed salesman file and automatic commission calculation; inventory control; scrollable full price list; prospective customer list; searches and sorts algorithms; LaserWriter support and mail merge capability; data and report interchange with other business programs; and more.
$1,495 retail; with support
$495 retail; without support
Nova Electronics & Software; 1525 Third St., #A201; Riverside, CA 92507; 714-781-7332 or 714-781-0178 (fax)

MacGas
Gas station management
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.4 or later.
MacGas is a user-friendly gas station management system, primarily designed to manage fuel pumps and fuel storage tanks. Up to 99 pumps can be configured for cash and credit prices. Inventory fuel purchases consist of Super, Special, Regular, Diesel and Kerosene. Pre-configured tank charts make daily reconciliation simple. Convenience store and miscellaneous inventory items can be accounted for. Invoicing of house accounts, with aging, and a daily recap of business cash flow, covering gas, sales tax and four additional custom categories are provided. Daily deposits and expenses are tracked and an overage/shortage is calculated. Reports include daily, monthly and yearly closing information, pool margins (WAM), pump and tank histories and accounts receivable.
$1,295 retail
Demo disks are available
Custom Information Resources; 9 Swallow Lane; Huntington, NY 11743; 516-692-4963 (phone/fax)

Macintosh Airline Terminal
Connects to SABRE, APOLLO and other reservation systems
Macintosh Plus or larger (Macintosh LC or larger required for Gateway Macintosh); 2 MB of RAM; hard disk drive; System 6.0.5 or later.
Macintosh Airline Terminal gives a Macintosh full airline terminal functionality. The system consists of an ALC communications card installed in a "gateway" Macintosh, terminal emulation software installed on each "terminal" Macintosh and an Application Programmers Interface (API) that enables an airline to develop custom applications that access an ALC host.
The Gateway consists of a synchronous communications card and software drivers. A single Gateway supports as many as three interchange addresses (IAs) and 90 terminal addresses. The Terminal Emulator software allows multiple terminal windows on one TA and multiple TAs on one Macintosh; provides programmable function key and save session to disk capabilities; supports ticket printing, invoice/itinerary printing and memo item printing; allows host output to be directed to a disk file rather than to a printer; is MultiFinder compatible; delivers full Macintosh desktop support, including cut and paste, windows that are resizable and movable, full mouse positioning and text selection; and standard Macintosh command key functions. The API permits applications to be written in HyperCard, Pascal or C to automatically submit data to, extract data from or interactively exchange data with the ALC host. Macintosh Airline Terminal is System 7 compatible.
$2,933 retail; for Gateway supporting six TAs
$4,973 retail; for Gateway supporting 12 TAs
$7,353 retail; for Gateway supporting 24 TAs
$2,500 retail; Application Programmers Interface
InnoSys Inc.; 3095 Richmond Pkwy., #207; Richmond, CA 94806; 510-222-7717 or 510-222-0323 (fax)

MacPedigree
Pedigree system for dogs and more
Macintosh Plus or larger; 1 MB of RAM; 20 MB hard disk drive; System 6.0.5 or later.
MacPedigree is a complete application for dog breeders. It allows the storage of complete information for each dog, including medical information, litter summary and detail information, as well as show information and expenses. MacPedigree allows for printing of AKC Show entry forms and Field Trial forms, Pedigrees to five generations, Trial Pedigrees, mailing labels, show point summaries, expense reports, judging reports and much more. Printing is compatible with all Apple and HP printers.
$160 retail; only sold to retailers in quantities of 15 or more
The Willow Group; 654 Dorothy Ave.; San Jose, CA 95125; 408-993-8394

MacPETigree
Maintains pedigree information and other detailed animal records
Macintosh 512K or larger; hard disk drive recommended; System 6.0 or later.
MacPETigree maintains animal pedigree information and other detailed animal records. The program provides an easy way to store and organize pedigree and medical records, as well as such information as breed, birthdate, litter number, markings, mates, offspring and show awards. Version 2.2 automatically generates binary family trees and provides a simple way to add new members. Each page of the binary family tree contains five generations, with no limit to the number of generations that can be recorded. Other features include a simplified online help function, easy-to-use menu system and an update feature (hard link) for quick duplication of data.

These Products Available Through Bottom Line Distribution
1-800-347-1923

$34.95 retail
Te Corp.; PO Box 140; Campton, NH 03223; 603-726-7177, 800-725-2645 or 603-726-8818 (fax)

Maintenance Management System
Maintenance management for anyone who supervises the maintenance of either equipment or buildings
Macintosh Plus or larger.

The Maintenance Management System is designed for use by any maintenance department. It tracks materials and time used in scheduled and unscheduled maintenance. It tracks when maintenance is required on a particular piece of equipment by run time or date, who it is assigned to, when it was completed, etc. It also tracks normal work order requests, capital improvement requests, etc. Some of its many reports include parts or material usage, man-hours, work orders, incomplete work orders, etc. Customization is available.
$995 retail
$25 retail; demo
S&J Enterprises; PO Box 1134; Bettendorf, IA 52722; 319-332-1188 or 319-332-4252 (fax)

MdB — Music Scheduler
Radio station music scheduler
Macintosh 512KE or larger.

MdB — Music Scheduler allows a radio station to enter the station's music library into the database, build programming format clocks, slot the clocks into specified hours and schedule songs in a specific order for disc jockeys to play. As the program does the scheduling, it observes and obeys format rules determined by a user, such as separation and flow of song styles, gender and tempo considerations.
Call for pricing; lease rates scaled to market size
Warren Media; 1222 Belvin St.; San Marcos, TX 78666; 512-392-2415

MiniWareHouse Manager
Mini-storage facility management
Macintosh Plus or larger; 2.5 MB of RAM (4 MB with System 7); hard disk drive; 9-inch or larger monitor; ImageWriter, LaserWriter or compatible printer.

MiniWareHouse Manager handles the rent, billing and receivables of mini-storage facilities. Monthly billing is automatic, and receipts are entered with a click of the mouse. The program produces invoices, payments due, receivables aging, notices, contracts, availables and more, and features a 2,560 MB file capacity.
$499.95 retail
Diversified Computer Applications; PO Box 1142; Du Quoin, IL 62832; 618-357-3619

Navigate! 3.2.3
Digital chart navigation system
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.

Navigate! is a digital chart navigation system. The program uses digitally encoded nautical charts that can be zoomed to display offshore waters and coastlines or highly detailed harbors, complete with buoys, lights and navigational hazards. Each chart disk contains chart data for a 2,500-square-mile area. Using the Macintosh, a navigator selects the area in which the boat will be sailing and plans the route to be taken graphically on screen. The program automatically calculates the distance and compass headings between each series of waypoints created on the screen. Each waypoint is a specific latitude/longitude position on the chart that typically defines a location where the vessel will change direction. Through an interface between a navigation radio receiver like GPS/Loran and the Macintosh, the program displays the actual vessel position graphically in relation to the chart information. Navigate! is intended to be used aboard power and sailing yachts from 30 feet and above in length. Charts are available for all of North and South America. Call for additional areas.
$295 retail; includes one chart area
$95 each retail; individual digital area charts
$395 retail; regional chart sets
Fair Tide Technologies, Inc.; 18 Ray Ave.; Burlington, MA 01803; 617-229-6409, 800-732-3284 or 617-229-2387 (fax)

OAG FlightDisk
Travel information
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0 or later; printer (optional).

The Official Airline Guides FlightDisk allows easy access to North American air travel information. Updated monthly, OAG FlightDisk contains detailed flight schedule information; frequent flyer/frequent lodger program facts; and airline, hotel and car rental phone numbers.
$199 retail; 1 year (12 monthly disks)
Official Airline Guides, Inc.; 2000 Clearwater Dr.; Oak Brook, IL 60521; 708-574-6000 or 708-574-6091 (fax)

Office Services Inventory System
Manage office installation within a corporation
Macintosh II or larger.

The Office Services Inventory program was created for companies or organizations that have their own office installation and services department. It is a tool designed to assist in the management of office installations and reconfigurations. This system will track work requests, manage inventory and provide for the allocation and tracking of inventory to work requests. The program has been designed to track the inventory from most of the major brand name office furnishings vendors in the industry. This database is a tool that helps manage information about: inventory, purchase orders, work orders, shipments, costs, time sheets, employees, vendors, projects and cost centers.
$3,995 retail; single user (one-year free telephone support)
$200 per user retail; multiuser
AD/C Solutions; 1445 Grant Rd.; Los Altos, CA 94024; 415-969-3979

Precision Investigation Billing System
Private investigation case management
Macintosh Plus or larger; hard disk drive; ImageWriter.

Precision Investigation Billing System (PIBS) software has been specifically designed for use in private investigation firms. It makes full use of the Macintosh user interface for ease of learning and use. PIBS provides a fast, comprehensive and organized method for maintaining current records relating to the management of private investigation cases. It provides for the input of time and expense records. These records may then be grouped together to form invoices and client bills generated. Client bills are automatically aged as time passes. Client, employee and insurance agent databases allow users to maintain up-to-date information on a company's operations. PIBS makes updating this information quick and simple. A powerful report and letter generator is available in PIBS. A criteria selection process allows users to view any cross section or particular aspect in a database. PIBS reduces the amount of data duplication. PIBS keeps claim information in an easy-to-manage format. Personalized form letters, labels and Rolodex cards may be generated to clients. Multiuser capabilities are already programmed into PIBS.
$995 retail
Precision Computer Systems; 1130 E. University Dr., Ste. 205; Tempe, AZ 85281; 602-829-3131 or 602-829-3133 (fax)

Profex
Transport agent's system
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.3 or later.

Profex is a multiuser billing and load tracking system for shipping agents. The database system built into Profex allows entry and maintenance of customers, carriers, shippers, consignees, rates and quotes. Data entry is simple and intuitive, and there is no limit to the amount of information that can be stored. Load booking and invoice generation have been streamlined for maximum throughput. Customized invoices are printed and railroad routing sheets are automatically generated. Profex also has a simplified, double-entry accounting system built in. Billings are generated automatically, and accounts receivable, accounts payable, expenses and income are automatically updated. Bank accounts are also tracked, and Profex allows operation in both Canadian and U.S. dollars. Profex has extensive reporting capabilities.
Call for pricing
Everyware Development Corp.; 6543 Mississauga Rd.; Mississauga, Ontario, Canada L5N 1A6; 905-819-1173 or 905-819-1172 (fax)

Public Relations Manager 3.0
Data management system for public relations offices and agencies
Macintosh Classic or larger; 4 MB of RAM; hard disk drive; System 7.0 or later.

Public Relations Manager is a data management system for use in a corporate PR office or an external PR agency. It includes files for managing mailing lists, media contacts, publication production, photo archives and press releases. The mailing list module offers an extensive array of keyword capabilities. Mailing list and media records may be queried via a map using GeoQuery software (included), providing an ideal way to find appropriate contacts in unfamiliar areas. The publications module allows entry of the many subtasks that make up an overall project. Planned and actual start and end dates, as well as planned and actual costs, may be attached to each task. Task data may be charted in Great Gantt! software to provide a visual representation of a project's progress. Integrated word processing is available in all modules. Public Relations Manager is based on 4th Dimension. A special version, College Relations Manager, is available for use in the higher education environment.
$1,495 retail; multiuser pricing upon request
$20 retail; demonstration kit
Desktop Solutions Inc.; PO Box 189, #191; Etters, PA 17319; 717-938-4270

QuickLook Shipper
UPS shipping program
Macintosh Plus or larger; System 6.0.3 or later.

QuickLook Shipper is designed for businesses that do UPS shipping but average less than the 20 or so packages a day needed to justify using a full UPS manifest system. It works as a fast shipping charges calculator that can work as a desk accessory under System 7. It handles both domestic and international UPS shipping. Features include: minimum, maximum, percentage handling charge; fixed amount handling charge; finds UPS USA rate and zone from the Zip code entered; allows all UPS shipping types; handles Saturday delivery charges; GroundTrac charges; COD charges; Blue label letter packages; allows users to add handling charges by fixed amount; percentage handling charges with minimum and maximum; UPS Ground and Air USA; UPS Ground and Air Canada; UPS International Air; computes dimensional weights; rate charge for shipping originating in any of the 48 contiguous states; and fast "c-tree" filing system.
$49 retail
ShopKeeper Publishing International, Inc.; PO Box 38160; Tallahassee, FL 32315; 904-222-8808 or 904-668-9916 (fax)

RadioView
Broadcast management system
Macintosh Plus or larger.

RadioView is a broadcast management system designed to meet the needs of station management and staff and corporate management. Systems are available to serve the needs of any size operation. RadioView provides Accounts Receivable, traffic scheduling and logging, and sales management for broadcasters. It takes full advantage of the Macintosh and offers the power to meet every standard that serious broadcasters demand, such as breakneck scheduling speed; flexibility; more than 100 reports that can be sorted any way needed; extensive graphing and analysis capabilities; and the capability to process and make sense of the most intimidating mountain of information.
$5,900 starting price retail
Nordic Software, Inc.; PO Box 6007; Lincoln, NE 68506; 402-488-5086 or 402-488-2914 (fax)

Rank V2.0
Athletic performance ranking system
Macintosh Plus or larger; 1 MB of RAM; System 6.0.3 or later.

Rank is a complete performance ranking system designed for professional coaches, clubs, schools and associations. It maintains information on athletes for the purpose of analysis and ranking. The system tracks each performance for as many athletes as input (limited only by RAM). Each performance may contain

stopwatch time (to 1/100th of a second), club affiliation, age at performance, location, event, category (e.g., age, open, world, collegiate), season and type (heats, consolation final, championship final, relay leg, trial). Using Rank, coaches can compare athletes in different events and develop training times based on a 1,000 point rating system. Training repeat times and rating an overall workout can also help a coach gain a better feel for strengths and weaknesses. Furthermore, Rank will help an athlete to set obtainable goals and demonstrate progress along the way. Rank can also produce lists for club newsletters and the media.
Call for pricing
Everyware Development Corp.; 6543 Mississauga Rd.; Mississauga, Ontario, Canada L5N 1A6; 905-819-1173 or 905-819-1172 (fax)

Reliable Salon System
Beauty salon management
Macintosh with 68030 processor or faster; hard disk drive; printer; optional cash drawer is available.

The Reliable Salon System is a point-of-sale beauty salon management system that provides sales analysis and inventory control, maintains client records, calculates payroll (including commissions) and handles Accounts Payable. Each function updates the General Ledger to provide a profit and loss statement, balance sheet and trial balance. Business is analyzed for the month and year by stylist and category of service, including retail sales. Clients are accessed by any of more than 20 pieces of information, including comments. Lists and mailing labels are available for almost any selection of clients. Referrals can be tracked and rewarded. Client history and inventory are updated at the time of sale. Complete inventory control is provided through status, margin, price and reorder reports. Each stylist has his or her own commission structure for payroll with commission sales accumulated each day. Both manual and computer checks can be handled by Accounts Payable. General Ledger provides manual entries, as well as the automatic entries from the system. Detailed analysis of the accounts is available.
$1,800 retail
Reliable Software & Consulting; PO Box 335; Ft. Calhoun, NE 68023; 402-468-5700

Salon Management System
Salon management/marketing
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; ImageWriter or StyleWriter; System 6.0.4 or later; cash drawer, LaserWriter, HP DeskWriter, bar-code reader, etc. optional.

The Salon Management System is a complete management system for salons. This true, integrated, single-entry system includes inventory, employee and client record database managers, payroll, POS, export capability, client retention/referral tracking and more. The Salon Management System supports bar-code scanners, laser and ink jet printers. A unique feature of the program, Computerized Product Prescriptions, analyzes hair and scalp conditions and prescribes in-salon services and retail "take-home" products for each client. Combined with the system's advertising and direct-mail functions, it affords a salon a comprehensive marketing capability, as well as complete business management.
$1,700 to $4,995 retail; includes software, Macintosh, StyleWriter II printer
Salon Transcripts Inc.; 21725 Ambar Dr.; Woodland Hills, CA 91364; 800-766-4778

■ **Salon Secretary**
Salon owner management
Macintosh Plus or larger; FileMaker Pro runtime.

Salon Secretary, developed jointly by a hair salon owner and a database specialist, is a versatile, very affordable program offering any hair salon a computerized record of appointments, services rendered, shop inventory and detailed client information. Its Client File provides instant data on each customer's hair color, desired perm and/or cut style, dates of last appointment with services rendered, addresses and telephone numbers, birthdays and even appropriate curler lengths. It also includes a label layout and letter forms to speed up personalized client-contact correspondence; and a daily Appointments Calendar displayed in 15-minute increments with a "Look Up" feature. Clicking the button next to a client's name produces the name and data in the Client File. An Inventory File keeps track of all shop supplies, records initial cost and retail price of products sold, and gives the owner an instant picture of what products are selling best.
$499 retail
Simplified; 642 E. Squirrel Tail Dr.; Tucson, AZ 85704; 602-797-2990 or 602-797-7865 (fax)

Scouting Database
Lets scouts and managers better analyze and manage their key resources
Server requires Macintosh Quadra 610 or larger; 8 MB of RAM; Client requires Macintosh PowerBook 160; 4 MB of RAM.

The Scouting Database is a powerful tool designed for professional sports teams that will let scouts and managers better analyze and manage their key resources: hockey players. The Scouting Database is based on 4th Dimension client/server technology, with the main database located in the head office of the sports team. Each scout will collect data on the road (game reports, new players, teams, leagues) and send them to the server whenever appropriate and will at the same time get any updates (leagues, teams, players, messages, etc.). A Game Reports Module allows scouts to rate players of both playing teams via intuitive and easy-to-use entry screens. Key personnel can use the Player Analyzer Module to browse through a list of players and match them under different criteria (height, weight, age, team, position, skill levels). Any scout will be able to enter his or her itinerary and include any expenses while on the road using the Schedule & Expenses Module. The Scouting Database can also be configured for any other professional sports or commodity evaluation situation.
$8,000 retail
MacSys Inc.; 362 Terry Fox Dr., Ste. 200; Kanata, Ontario, Canada K2K 2P5; 613-591-9200 or 613-591-8089 (fax)

ServiceWorks
Field service management
Any Macintosh.

ServiceWorks is a package designed for the management and control of field service organizations. Available modules include distribution inventory, order entry, purchasing, automated billing, payroll processing, full accounting support, depot repair, automated dispatch and contract administration. Features include: vital customer information is safely maintained, quickly accessed and clearly displayed; complete equipment/contract information is provided for each account; create as many stocking locations as needed; capture the details of each and every dispatch call, including parts used and travel/labor hours; complete equipment history is always online and available; multiple pricing levels, automatic warranty lookup and serial number tracking for depot repair; a process order function that allows partial shipments with invoice control; browse repair orders by customer; capture all costs, parts and labor for each repair; management reports; integrate data with spreadsheet and graphing programs; and more.
$1,495 retail; single-user version
Xcel Computer Systems, Inc.; Harvard Square; 124 Mt. Vernon St., Ste. 200; Cambridge, MA 02138; 800-242-9494 or 508-845-1441 (fax)

ShipSmartz 2.2
Computerized UPS shipping manifest system
Macintosh with 68030 or larger processor; 4 MB of RAM; hard disk drive.

ShipSmartz is a UPS manifest shipping program for use from the continental 48 states to anywhere in the world. It has complete UPS specified transaction and report sets. Elefunt Software is on the national UPS list of accepted vendors. ShipSmartz interfaces with electronic scales and bar-code readers. Features include: full people database, worldwide UPS shipping, the ability to enter other carriers and rate tables, step-by-step entry validation for errors and omissions, on-screen interactive help display, Ship-With-Other-Goods (SWOG), extensive querying and reporting capabilities, import text files from other programs, mail-merge letters, labels and envelopes. It includes support for PrintSmartz, an INIT to control auto-switching between multiple printers set up for different forms.
$395 retail
Elefunt Software; 724 Allston Way; Berkeley, CA 94710; 510-843-7725 or 510-486-1818 (fax)

ShopKeeper Shipper
UPS shipping management
Macintosh Plus or larger; System 6.0 or later.

ShopKeeper Shipping is the first of a group of small modular programs that will ultimately let users mix and match only the features and programs needed for their business. Owners of ShopKeeper Plus and Bill-It 4 can start immediately. These versions create an export file named "UPS.date" that can be imported directly into ShopKeeper Shipper. For users with System 7, it can be a desk accessory on the Apple menu for quick lookups or freight calculations without leaving the Sales Ticket screen. Features include: complete UPS rate calculations; U.S.A. and international air shipments; keeps a shipping history for each computer; keeps track of COD payments received; prints shipping labels; prints COD tags; prints a daily manifest with summaries; maintains its own unlimited number of customer files; imports ShopKeeper Plus and Bill-It 4 files; multiple packages to the same address; and quick calc allows adding a preset handling charge to the shipping total.
$295 retail
ShopKeeper Publishing International, Inc.; PO Box 38160; Tallahassee, FL 32315; 904-222-8808 or 904-668-9916 (fax)

Silver Sable
Racetrack publishing system
Macintosh Quadra 610 or larger; 5 MB of RAM.

Silver Sable is a 4th Dimension-based racetrack publishing system that allows users to print a race card with a minimum of user intervention. Automatic page layout is completely done by Silver Sable using the typeset-ready codes text file generated by the Canadian Trotting Association. It is customizable to other text file formats. Key features include: production of race card, driver and trainer statistics, In To Go and race results; customizable race header information (type of bet, saddle cloth color, etc.); can print Also Eligibles at end of each race or in a separate section; easy last minute changes, like driver changes, can be done before printing; and automatic formatting of all data.
$8,000 retail
MacSys Inc.; 362 Terry Fox Dr., Ste. 200; Kanata, Ontario, Canada K2K 2P5; 613-591-9200 or 613-591-8089 (fax)

SportsPro Hoops
Database and reporting software
Macintosh Plus or larger; 1 MB of RAM.

With SportsPro, users use hard data plus their intuition when making decisions. SportsPro is a tireless assistant coaches want nearby on the sideline of every game. Player stats are kept on a year-to-date basis, so the busy coach and his/her staff can read up-to-the-minute reports on their opponent and their squad. It is the perfect application for the PowerBook user. SportsPro uses the familiar, well-designed FileMaker Pro interface, so users are online in minutes. This comprehensive database and reporting software stores individual player information, individual player game-by-game performance, team stats, opponent game information, medical information, coach's comments, rosters, player rankings, player's specific game and more. Titles in the series include: Hoops, Bats, Gridiron and Soccer.
$150 ea. retail
K-12 MicroMedia Publishing, Inc.; 6 Arrow Rd.; Ramsey, NJ 07446; 201-825-8888, 800-292-1997 or 201-825-0582 (fax)

Sprout!
Graphic vegetable garden design program
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.3 or later.

Sprout! is a graphic vegetable design and database program that allows users to draft out their vegetable garden layouts with pre-drawn vegetable and garden symbols. The unique planting tool positions the vegetables with the correct row and plant spacings. Sprout!'s fully editable database automatically gives users growing information and tips, the number of people the garden will feed, a seed shopping list and even a garden calendar giving the planting and harvesting periods for each plant.
$79.95 retail

These Products Available Through Bottom Line Distribution
1-800-347-1923

Abracadata, Ltd.; PO Box 2440; Eugene, OR 97402; 503-342-3030, 800-451-4871 (sales) or 503-683-1925 (fax)

Substation-Transmission Line Engineering Manager
Manages engineering work orders and their construction detail
Macintosh Plus or larger; 2 MB of RAM.

Custom developed for the Transmission and Distribution Engineering Department of a major power company, the system manages engineering work orders and their construction detail as it pertains to substation and transmission line engineering. The system is capable of receiving downloaded information from the Capital Project Management System for multiyear budget analysis and tracking.
Call for pricing; depends on customer specifications
Journey/North Sound Development; PO Box 1151; Mukilteo, WA 98275; 206-259-2659

Superdisk Bar Code Printing Software
Code 3 of 9 bar-code label and form generation on the Apple ImageWriter and LaserWriter
Macintosh 512K or larger; ImageWriter or LaserWriter.

The Superdisk Bar Code Printing Software provides an inexpensive means of on-site generation of Code 39 (3-of-9) bar codes using an ImageWriter or LaserWriter. The program uses pull-down menus and dialog boxes to allow the creation of bar codes in a wide range of sizes, with maximum flexibility for entering and adjusting bar-code length, height and content. The program also prints alphanumeric text under the bars. Data can be input from any text file or from the keyboard. UPC label software is also included.
$200 retail
Free with purchase of UniScan-300 bar-code reader, LM-300 integrated hand-held laser scanner or CCD-300 integrated scanner
TPS Electronics; 2495 Old Middlefield Way; Mountain View, CA 94043; 415-988-0141, 800-526-5920 or 415-988-0289 (fax)

Support Center 2.0
Integrated, multiuser service support center management software
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.

The Support Center is a multicomponent module designed to provide effective financial control in four separate areas: service center repairs; service and warranty contracts; returned material authorizations; and training center management. The Service Repair section is used to manage the activities of a service repair organization, such as those involved in repairs of computers, appliances, stereo equipment, vehicles, etc. The module is fully integrated with the high-end Flexware accounting system and seamlessly works with inventory and accounts receivable. The Service Contract section is used to manage OEM warranty contracts or those created by the service organization. The Returned Material Authorizations section is used to handle returns of items from either a customer or for a return back to a supplier. The Training Center section is designed to manage a full-service training center. Courses can be set up and scheduled for a multiclassroom, multilocation training operation. Full tracking of each course taken by a student is managed automatically in the module.
$995 retail; five-user license included
GlobaLogic Inc.; PO Box 31008; 100 Bayshore Dr.; Nepean, Ontario, Canada K2B 8S8; 613-721-0240 or 613-829-0314 (fax)

Team Statistics Management Packages
Tracks statistics for individual players
Macintosh Plus or larger; System 6.0.3 or later.

Amalgamated SoftWorks, Ltd.'s stat packages offer ease of use, power and utility in tracking all statistics for individual players (by game and for entire season) at the team level. Users just enter player stats during or after a game, and the programs instantly compile year to date statistics with a multitude of predesigned reports. Report Editor allows users to customize reports. Input screens offer a real-time scorebook metaphor in the program's graphical user interface. The number of team records is limited only by disk space. Address labels can be produced for mailing stats to players and/or coaches; as well as all standard statistics. Packages are available for the following sports: softball, baseball, volleyball, basketball, soccer, hockey and football.
$249 retail
Amalgamated SoftWorks, Ltd.; 1600 18th Ave. NE; PO Box 18084; Minneapolis, MN 55418; 612-649-4481 or 612-788-8759 (fax)

Timber Inventory 4.0
Forest inventory system
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.

Timber Inventory is a comprehensive forest inventory system. It will handle all kinds of sampling methods, 60 species (editable) and numerous volume tables, including Doyle, Scribner, cunits, cords and user volume tables. It will summarize any number of jobs, calculate only selected plots if desired and prepare a stand table growth projection.
$495 retail
Bennett & Peters, Inc.; 8313 O'Hara Ct.; Baton Rouge, LA 70806; 504-927-3500 or 504-927-2017 (fax)

TMA
Facility management, maintenance, inventory, projects, PM, assets and bar-coding system
Macintosh II or larger; hard disk drive.

The Maintenance Authority (TMA) is a facilities maintenance management system. TMA writes work orders on equipment, work spaces, assets and vehicles. More than 90 pre-written reports, as well as an ad-hoc report generator are included. Color graphs and charts can be produced along with the viewing and printing of CAD drawings converted to PICT format. TMA provides automatic year-round and seasonal PM generation for equipment, vehicles and work spaces. Built-in bar-code programs automatically upload to bar-code readers. TMA tracks internal and external costs on projects. It allows multiple individual charge rates for workers, measures performance and productivity, establishes labor standards and includes a job code library of more than 400 jobs specific to facility management. Stockroom functions are fully integrated into the work order system, providing automatic inventory adjustments. Valuable budgeting reports are provided. TMA is cross-platform capable, allowing Macintosh computers and PCs to use the same datafile on a network. On-site installation and training are included in the cost of the system.
$11,995 retail; single-user license
$17,995 retail; five-user license ($750 each additional workstation)
University, public school, hospital and spill response versions are available
TMA Systems, Inc.; 5232 E. 69th Pl.; Tulsa, OK 74136; 918-494-2890 or 918-494-4892 (fax)

TMA-SR
Spill response maintenance management system
Macintosh II or larger; hard disk drive.

TMA-SR is an integrated system for spill response organizations and the petroleum industry. It is designed for integrated management of spill response equipment and personnel. It is able to incorporate both personnel and oil spill equipment from outside sources. For co-ops, each piece of equipment is tagged with a unique OLA code (Owner, Location, Area) that permits the tracking of labor and material costs on all equipment by these criteria. Personnel from other agencies can also be tracked within SRMMS. Personnel are tracked by response team membership and Incident Command System (ICS) position. More than 90 preformed management reports and an ad hoc report generator are included. Work orders, automatic PM schedules, spare parts control and bar-code integration are just some of the features. Integrated spill packages can be created based on a major tag number. SRMMS is also available for PCs, and data can be shared between Macintosh computers and PCs.
$11,995 retail; single-user license
$17,995 retail; five-user license
TMA Systems, Inc.; 5232 E. 69th Pl.; Tulsa, OK 74136; 918-494-2890 or 918-494-4892 (fax)

Track Seeding And/Or Track Scoring
Lets users keep track of runner's times for seeding purposes
Macintosh Plus or larger; 1 MB of RAM; System 6.0.3 or later.

Track Seeding, for both track and cross country, lets users keep track of runner's times for seeding purposes. The program is a fully customized database that tracks a multitude of data on meets and runners. A module is available for field events, and a strength & fitness tracking module is optional to track fitness program and strength training progress. Numerous data files can be set up for various meets and events, conference or non-conference. A bar-code system for registering runners at a meet is currently under development. Customizations for specific needs are available under binding estimate. Data can be imported from an existing database, such as FileMaker Pro or Microsoft Works. Track Seeding is System 7 compatible.
$249 retail
Amalgamated SoftWorks, Ltd.; 1600 18th Ave. NE; PO Box 18084; Minneapolis, MN 55418; 612-649-4481 or 612-788-8759 (fax)

Volleyball Statistics Management
Volleyball team and league statistical management
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.3 or later.

Volleyball Statistics Management is an interactive volleyball team and league statistical management software package. It is not a spreadsheet template, but a full running, custom program. Volleyball coaches and athletic and recreation departments can now track the multitude of statistics required for volleyball competition at all levels, including the NCAA. Users can keep up-to-date stats for individual teams or an entire league. The League Level version of the program comes with the Auto Scheduler Module, affording uncompromising flexibility in automating complex league scheduling and tournament scheduling (round robin and seeded schedules) — all without conflict. Auto Scheduler will do scheduling for any sport or competition.
$249 retail
$744 retail; with Scheduler
Amalgamated SoftWorks, Ltd.; 1600 18th Ave. NE; PO Box 18084; Minneapolis, MN 55418; 612-649-4481 or 612-788-8759 (fax)

Water/Sewer/Trash Billing System
Water, sewer and trash billing system
Macintosh Plus or larger; hard disk drive; ImageWriter recommended.

Water/Sewer/Trash Billing System is designed for use by any company or city that must bill for water, sewer or trash services (one or all). The program keeps track of historical information that is available on a customer ledger form, as well as prints out the bills on postcard-type forms, unpaid bills, etc. Several versions of the program are available. Some have several rate structures, others allow for multiple water meters, etc.
$695 to $1,000 retail
$25 retail; demo
S&J Enterprises; PO Box 1134; Bettendorf, IA 52722; 319-332-1188 or 319-332-4252 (fax)

The Winery Logbook
Tool for professional wine makers

The Winery Logbook combines notebook computer technology with hypermedia software technology to create a tool dedicated to processing wine making transactions, maintaining bulk wine and case goods inventories and automating governmental reporting. The Winery Logbook displays self-prompting, easy-to-understand transaction processing screens that provide audio and visual feedback to the wine maker at each step in the process. The Logbook also allows online access to the BATF Monthly Report of Wine Cellar Operations at the completion of each transaction, so that the report can be printed immediately after processing the last transaction for the month. Other features include hypothetical blending (which displays the alcohol content and component vintages, grape varieties and appellations that would result from the blending of specified quantities of specified wine lots) and "interruptable transactions" (which allow users to interrupt a transaction to enter needed codes or data [e.g., interrupting grape receipt to add a wine lot code,

then interrupting wine lot entry to add a new grape variety, and then completing the transactions]).
$8,000 retail; includes all hardware and software
Serendipity Software Co.; PO Box 332; Bodega, CA 94922; 707-876-9840 (phone/fax)

Work Request & Asset Management
Facilities management with preventive maintenance
Macintosh II or larger.

Work Request & Asset Management is a cost-effective, easy-to-use maintenance program to manage and track work requests and schedule preventive maintenance. It is used by corporations, educational institutions and hospital maintenance departments. Work requests can be monitored by status, priority, in-house and vendor work assignments, projects and cost centers. The program collects and reports labor, material and vendor costs for work requests. An important feature is the flexible ad hoc reporting capability. The program schedules preventive maintenance work orders automatically by calendar or usage hours/miles. Standard tasks can be set up with estimated hours for faster data entry; employee hours can be tracked by trade codes. Purchase orders can be automatically generated from work orders. Multiuser capability is available. An inventory module is available with allocations to work orders, automated parts ordering and cycle counting. A fleet module is available for tracking work orders and preventive maintenance on vehicles.
$3,795 retail; Work Request and Preventive Maintenance
$2,995 retail; Inventory Module
$1,595 retail; Scheduling Module
$1,595 retail; Fleet Module
AD/C Solutions; 1445 Grant Rd.; Los Altos, CA 94024; 415-969-3979

Word Processing/Outline Processors

Corkboard
3-D graphic outliner
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later.
$149 retail
MacToolkit; 1234 6th St., Ste. 204; Santa Monica, CA 90401; 310-395-4242 or 310-393-7747 (fax)

Inspiration 4.0
Creative thinking tool that combines graphical diagramming and outlining
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$295 retail
Inspiration Software, Inc.; 2920 SW Dolph Ct., Ste. 3; Portland, OR 97219; 503-245-9011, 800-877-4292 or 503-246-4292 (fax)

More 3.1
Outlining, writing and desktop presentations
Macintosh Plus or larger; 1 MB of RAM; 800K disk drive and hard disk drive.
$395 retail
Symantec Corp.; 10201 Torre Ave.; Cupertino, CA 95014; 800-441-7234 or 800-626-8847 in CA

Storyspace
Hypertext program for brainstorming, organizing, multimedia, presentation and writing
Macintosh Plus or larger.
$215 retail
Eastgate Systems, Inc.; PO Box 1307; Cambridge, MA 02238; 617-924-9044, 800-562-1638 or 617-923-4575 (fax)

Word Processing/Text Search & Retrieval

AppleSearch
Full-text search and retrieval software
AppleSearch Server requires Apple Workgroup Server 60, 80 or 95, Macintosh Quadra or Centris 610/650; 8 MB of RAM to run concurrently with AppleShare; System 7.0 or later. AppleSearch Client requires Macintosh with 5 MB of RAM; internal hard disk drive; System 7.0 or later.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

DynaText
Electronic book publishing system
Macintosh Plus or larger; System 7.0 or later.
$495 plus licenses retail
Electronic Book Technologies, Inc.; One Richmond Sq.; Providence, RI 02906; 401-421-9550 or 401-421-9551 (fax)

Fulcrum Ful/Text
Information retrieval system
Macintosh Plus or larger; MPW 3.2; MPW C 3.2; Novell LAN Workplace for Macintosh toolkit; System 6.0.3 or later.
Call for pricing; depends on configuration
Fulcrum Technologies Inc.; 785 Carling Ave.; Ottawa, Ontario, Canada K1S 5H4; 613-238-1761 or 613-238-7695 (fax)

Knowledge Retrieval System
Full text and image retrieval system for technical documentation stored on CD-ROM or other optical media
Macintosh II or larger; 4 MB of RAM; System 7.0 or later.
Call for pricing
KnowledgeSet Corp.; 555 Ellis St.; Mountain View, CA 94043; 415-254-5400 or 415-254-5451 (fax)

MarcoPolo 2.0
Document imaging and management
Macintosh Plus or larger; System 7.0 or later.
$395 retail
Mainstay; 591-A Constitution Ave.; Camarillo, CA 93012; 805-484-9400 or 805-484-9428 (fax)

Micro Dynamics FreeForm
Multiuser text searching system
Macintosh with 68000 processor or larger; System 6.0.5 or later.
Call for pricing
Micro Dynamics, Ltd.; 8555 16th St., 7th Fl.; Silver Spring, MD 20910; 301-589-6300 or 301-589-3414 (fax)

Optix Natural Language Search
Text search and retrieval software
Macintosh II family.
$29,995 starting price U.S. retail; NLS Unix-based subsystem for Optix Network
$1,995 starting price U.S. retail; single-user NLS software
$695 starting price U.S. retail; Boolean-only entry-level package
Blueridge Technologies, Inc.; PO Box 430; Flint Hill Sq.; Flint Hill, VA 22627; 703-675-3015 or 703-675-3130 (fax)

ResearchAssistant[1] 3.0
Search and retrieval utility
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later; hard disk drive; HyperCard Player.
$79 retail; site licenses available
Vitale Software Group; PO Box 1023; Pt. Reyes Station, CA 94956; 415-257-4161 or 415-663-9410 (fax)

Sonar Text Retrieval System
Text retrieval system
Macintosh Plus or larger; hard disk drive.
$295 retail
Virginia Systems, Inc.; 5509 W. Bay Ct.; Midlothian, VA 23112; 804-739-3200 or 804-739-8376 (fax)

TexTracer
Document retrieval program
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.
$49 retail; can also be downloaded from CompuServe
Learning Associates International BV; Boterstraat 58; 3111 ND Schiedam; The Netherlands; 00-31-10-4-26-22-78 or 00-31-10-4-73-02-24 (fax)

Verity InfoAgent Client For The Macintosh
Information retrieval
Macintosh II or larger; 8 MB of RAM; System 6.0 or later.
Call for pricing
Verity, Inc.; 1550 Plymouth St.; Mountain View, CA 94043; 415-960-7600 or 415-960-7698 (fax)

Word Processing/Word Processors

EGWord 5.0
Japanese word processor
Macintosh Plus or larger; 5 MB of RAM (4 MB recommended); hard disk drive; supports KanjiTalk 6.0.4 or later and Japanese Language Kit.
$495 retail; site licenses available
CCIC; 605 Addison St., Ste. A; Berkeley, CA 94710; 510-548-2242 or 510-843-5173 (fax)

■ **EGWord 6.0**
Japanese word processor
Macintosh with 68020 processor or larger or Power Macintosh; 8 MB of RAM; 1.8 MB of free RAM; KanjiTalk 7 or later or System 7 with Japanese Language Kit.

EGWord is a Japanese word processor that supports the Power Macintosh natively. It provides an extremely fast operating environment, and the variety of layout features, like the draw table for PICT format graphics, rival standard DTP software. Its enhanced table calculation features include calculating sums and averages and other built-in and customizable formulas. Users can create invoices and sales invoices with EGWord. New table features also include fill-right and fill-down features, reducing repetitive input. In additon, cell-lock features and border lock features are added, as well as individual cell ruler. EGWord comes with Ichitaro conversion software and supports Ichitaro versions 3 thru 5. It also supports AppleScript, Publish and Subscribe, Balloon Help and many others.
$520 retail
CCIC; 605 Addison St., Ste. A; Berkeley, CA 94710; 510-548-2242 or 510-843-5173 (fax)

EGWord Classic 1.1
Japanese word processor
Macintosh Plus or larger; 2 MB of RAM (4 MB recommended when using MultiFinder); hard disk drive; supports KanjiTalk 6.0 or later and Japanese Language Kit.
$239 retail
CCIC; 605 Addison St., Ste. A; Berkeley, CA 94710; 510-548-2242 or 510-843-5173 (fax)

ExpertWriter
Word processor, address book, spell checker and envelope writer
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 4.1 or later.
$49.95 retail
Expert Software, Inc.; 800 Douglas Rd., North Tower, Ste. 750; Coral Gables, FL 33134; 305-567-9990, 800-759-2562 or 305-443-0786 (fax)

■ **FullWrite**
Word processor
Macintosh Plus or larger; 2 MB of RAM; System 6.0.4 or later; 3 MB of free hard disk drive.

FullWrite is an intuitive word processor with desktop publishing power. Selected features include flexible modular architecture, integrated outlines, tables, equations, drag and drop, two-page editing, change bars, find and change styles, spell checker, 17 dictionaries available, 12 thesauri available, editable glossaries and glossary macros, print merge, booklet printing and more. Page layout features include text-wrapping, watermarks, multiple columns, drawing environment and others. The many formatting features include 18 character styles, eight types of tabs, kerning, color text, base styles, paragraph borders and editable rulers. FullWrite is the right tool for any job, from memos and single-page brochures to complex technical reports and books.
$395 retail

These Products Available Through Bottom Line Distribution
1-800-347-1923

Akimbo Systems; 11 Rose St.; Somerville, MA 02143; 617-776-5500, 800-375-6515 (orders) or 617-776-5512 (fax)

IntelliTalk
Talking, writing and communication tool
Macintosh Plus or larger.
$39.95 retail
IntelliTools, Inc.; 5221 Central Ave., Ste. 205; Richmond, CA 94804; 510-528-0670, 800-899-6687 or 510-528-2225 (fax)

LetterPerfect 2.1 For Macintosh
Word processor
Macintosh Plus or larger; 1 MB of RAM (2 MB with System 7); hard disk drive recommended; System 6.0.5 or later.
$149 retail
WordPerfect, The Novell Applications Group; 1555 N. Technology Way; Orem, UT 84057; 801-225-5000, 800-451-5151 or 801-228-5377 (fax)

■ **MacWord 3.0**
Japanese word processor
Macintosh with 68020 processor or larger, including Power Macintosh; 4 MB of RAM; Japanese Language Kit with System 7.1 or KanjiTalk 7.
MacWord is a native Power Macintosh application that utilizes the Power Macintosh capabilities. New features of this upgrade include calculation tables, graph drawing functions, improved draw feature, improved vertical writing function, rubi (furigana) function and tool bar display. These are added to such standard features as an English spell checker, DTP functions and direct mail insertion. The Mac VJE Japanese input program is bundled with MacWord, which also features Kopasu Mohitsu, a beautiful ink-brush style font. It comes with Japanese documentation.
$480 retail
Qualitas Trading Co.; 2029 Durant Ave.; Berkeley, CA 94704; 510-848-8080 or 510-848-8009 (fax)

MacWrite Pro 1.5
Word processor
Macintosh Plus or larger; 1 MB of RAM (2.5 MB for System 7); two 800K floppy disk drives or hard disk drive; System 6.0 or later.
$249 retail
Claris Corp.; 5201 Patrick Henry Dr.; PO Box 58168; Santa Clara, CA 95052; 408-727-8227 (customer relations), 800-735-7393 U.S upgrades) or 800-334-3535 (U.S. dealers)

Microsoft Word 6.0
Writing; word processing
Macintosh Plus or larger; two 800K disk drives; hard disk drive.
$495 retail
Microsoft Corp.; One Microsoft Way; Redmond, WA 98052-6399; 206-882-8080

Microsoft Write 1.0
Writing; word processing
Macintosh 512K or larger; two 800K disk drives.
$125 retail
$220 retail; upgrade path to Microsoft Word
Microsoft Corp.; One Microsoft Way; Redmond, WA 98052-6399; 206-882-8080

Nisus Compact
Word processor
Macintosh Plus or larger; 800K disk drive or hard disk drive; System 6.0.7 or later.
$150 retail
Nisus Software, Inc.; PO Box 1300; 107 S. Cedros Ave.; Solana Beach, CA 92075; 619-481-1477, 800-922-2993 or 619-481-6154 (fax)

Nisus Writer 4.0
Word processor
Macintosh SE or larger; 2 MB of RAM; System 7.0 or later; hard disk drive recommended.
$495 retail
$595 retail; with language key
Nisus Software, Inc.; PO Box 1300; 107 S. Cedros Ave.; Solana Beach, CA 92075; 619-481-1477, 800-922-2993 or 619-481-6154 (fax)

QuickLetter 2.0.3
Convenient desk accessory correspondence program designed for writing letters and printing envelopes
Macintosh 512KE or larger; System 4.2 or later.
$49.95 suggested retail
Working Software, Inc.; PO Box 1844; Santa Cruz, CA 95061; 408-423-5696, 800-229-9675 or 408-423-5699 (fax)

SoftQuad Author/Editor 2.2
Authoring system that is compliant with the Standard Generalized Markup Language (SGML) complete with tables editor
Macintosh with 6 MB of RAM; 1.2 MB of disk space.
$995 retail
SoftQuad Inc.; 56 Aberfoyle Crescent, Ste. 810; Toronto, Ontario, Canada M8X 2W4; 416-239-4801 or 416-239-7105 (fax)

SoftQuad Author/Editor CALS
Authoring system that provides access to the power of structured editing based on SGML
Macintosh with 6 MB of RAM; 1.2 MB of disk space.
$995 to $2,595 retail
SoftQuad Inc.; 56 Aberfoyle Crescent, Ste. 810; Toronto, Ontario, Canada M8X 2W4; 416-239-4801 or 416-239-7105 (fax)

Solo Writer 1.3.2
Japanese word processor
Macintosh Plus or larger; 4 MB of RAM; Japanese Language Kit with System 7.1 or KanjiTalk 6.0.7 or later.
$395 retail
Qualitas Trading Co.; 2029 Durant Ave.; Berkeley, CA 94704; 510-848-8080 or 510-848-8009 (fax)

Taste V1.02c
Word processing program with page layout and drawing capabilities
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.2 or later.
$149 retail
DeltaPoint, Inc.; 2 Harris Court, Ste. B-1; Monterey, CA 93940; 408-648-4000, 800-446-6955 or 408-648-4020 (fax)

TurboWriter-C 1.5
Chinese/English word processor
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.
$295 retail
Pacific Rim Connections, Inc.; 1838 El Camino Real, Ste. 109; Burlingame, CA 94010; 415-697-0911, 800-745-0911 or 415-697-9439 (fax)

TurboWriter-CT 2.0.1
Traditional Chinese/English word processor
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.
$395 retail
Pacific Rim Connections, Inc.; 1838 El Camino Real, Ste. 109; Burlingame, CA 94010; 415-697-0911, 800-745-0911 or 415-697-9439 (fax)

TurboWriter-J 2.2
Japanese/English word processor
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.
$295 retail
SystemSoft Florida, Inc.; PO Box 4260; Vero Beach, FL 32964; 800-882-8856 or 407-569-1937 (fax)

WiziWord
Word processing system
Macintosh SE/30 or II family; 2 MB of RAM; System 6.0 or later.
$395 retail
Microsystems Engineering; 2500 Highland, Ste. 350; Lombard, IL 60148; 708-261-0111 or 708-261-9520 (fax)

WordMaker
Word processor
Macintosh 512KE or larger; System 4.1 or later.
$75 retail
New Horizons Software, Inc.; 206 Wild Basin Rd., Ste. 109; Austin, TX 78746; 512-328-6650 or 512-328-1925 (fax)

WordPerfect 3.0 For Macintosh
Word processor
Macintosh Plus or larger; 2 MB of available RAM; hard disk drive; System 6.0.7 or later. Power Macintosh; 4.5 MB of available RAM; hard disk drive; System 7.1.2 or later.
$495 retail
WordPerfect, The Novell Applications Group; 1555 N. Technology Way; Orem, UT 84057; 801-225-5000, 800-451-5151 or 801-228-5377 (fax)

Write:OutLoud 2.0
Talking word processor
Macintosh Classic or larger; 4 MB of RAM; hard disk drive; System 6.0.7 or later (System 7.0 or later recommended); color monitor and printer optional (necessary for color features).
$99 retail
Don Johnston, Inc.; 1000 N. Rand Rd., Bldg. 115; PO Box 639; Wauconda, IL 60084; 708-526-2682, 800-999-4660 or 708-526-4177 (fax)

WriteNow 4.0
Word processing
Macintosh 512KE or larger; two 800K disk drives; System 4.2 or later.
$119.95 retail
SoftKey International, Inc.; 201 Broadway; Cambridge, MA 02139; 617-494-1200, 800-227-5609 or 617-494-1219 (fax)

Word Processing/Word Processing Tools

2001 Quotes
Database of 2,001 quotations for writers and speakers
Macintosh Plus or larger; HyperCard, Microsoft Excel, Microsoft Works.
$25 retail
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

A Zillion Kajillion Rhymes
Rhyming dictionary
Macintosh Plus or larger; System 6.0 or later.
$49.95 retail
Eccentric Software; PO Box 2777; Seattle, WA 98111; 206-628-2687, 800-436-6758 or 206-628-2681 (fax)

Ambassador
Bilingual document system; lets users correspond with their business associates in their native language
Macintosh SE or larger; 2 MB of RAM; KanjiTalk 6.0.5 or later or the Japanese Language Kit to display Japanese.
$295 retail
Language Engineering Corp.; 385 Concord Ave.; Belmont, MA 02178; 617-489-4000 or 617-489-3850 (fax)

The American Heritage Electronic Dictionary III Edition
Reference and writing tool
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.2 or later.
$59.95 retail; standard edition (110,000 words; 3.5-inch disk)
$129.95 retail; deluxe version (330,000 words; 3.5-inch disk)
$59.95 retail; deluxe version (330,000 words; CD-ROM)
Writing Tools Group, Inc.; 201 Alameda del Prado; Novato, CA 94948; 415-382-8000, 800-523-3520 or 415-883-1629 (fax)

■ **Applause E-J**
English to Japanese dictionary
Macintosh Plus or larger; 4 MB of RAM; Japanese Language Kit with System 7.1 or KanjiTalk 6.0.7 or later.
Applause is an English to Japanese dictionary that can be used from within a word processor. To look up a word, users merely highlight it and launch Applause with a keyboard shortcut; all possible meanings for that word will quickly appear. The dictionary features

59,000 entry words and 85,000 translations. Applause accepts wildcard combinations for looking up words without completely spelling them. The manual is in Japanese, but English setup instructions are provided.
$195 retail
Qualitas Trading Co.; 2029 Durant Ave.; Berkeley, CA 94704; 510-848-8080 or 510-848-8009 (fax)

AutoBiblio 2.0
Bibliographic storage and retrieval system
Macintosh Plus or larger; two 400K disk drives or one 800K disk drive minimum; hard disk drive recommended.
$249 U.S. retail; $25 demo (refundable on purchase of full program)
£125 U.K. retail; £15 demo
Biosoft; PO Box 10938; Ferguson, MO 63135; 314-524-8029, 314-524-8129 (fax), 44+223-68622 in U.K. or 44+223-312873 (fax) in U.K.

Berlitz Interpreter For The Macintosh
Translates a selected word or phrase into five languages
Macintosh Plus or larger; hard disk drive; System 6.0.4 or later.
$39.95 retail
Microlytics, Inc.; 2 Tobey Village Office Park; Pittsford, NY 14534; 716-248-9150, 800-828-6293 or 716-248-3868 (fax)

Bibliography Builder
Formats data into bibliography and footnote entries
Macintosh Plus or larger.
$49.95 retail; Microsoft Word version
$49.95 retail; HyperCard version
$79.95 retail; Dual Pack
Master Software; 20618 Cypress Way; Lynnwood, WA 98036; 206-672-8708 or 206-776-7171 (fax)

BigThesaurus 2.0
Electronic thesaurus
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.
$99.95 retail
Deneba Software; 7400 SW 87th Ave.; Miami, FL 33173; 305-596-5644 or 305-273-9069 (fax)

■ **Bookends Pro 3.0**
Bibliography management system
Macintosh SE or larger; 2 MB of RAM (4 MB for System 7); System 6.0.5 or later; hard disk drive with 4.5 MB of free space.
Bookends Pro is a bibliography management system that collects, manages and formats references, citations and quotes. More than 90 predefined formats are included for generating references and footnotes that conform to publication specifications or the reference style can be customized. Bookends offers a scan-and-replace feature to automatically scan manuscripts for reference and footnote citations, replace them with properly abbreviated citations and generate a fully-formatted bibliography in the process. Formatted bibliographic material can be saved as a word processing file, printed from a menu or pasted directly into documents using the copy-and-paste option. Reference information can be imported from a variety of online database services (Medline, Dialog, BRS, etc.), CD-ROMs and delimited text files. Bookends offers users enhancement features, including previous entry "peeking," Boolean "and/or" and "not" searches, and quick selection from a journal glossary, keyword or author list.
$129 retail
Westing Software; 2960 Paradise Dr.; Tiburon, CA 94920; 415-435-9343, 800-325-1862 or 415-435-6286 (fax)

Bouvier's Law Dictionary
Legal terminology
Macintosh Plus or larger; hard disk drive; System 5.0 or later.
$99.95 retail
Inductel Inc.; 5339 Prospect Rd., Ste. 321; San Jose, CA 95129; 408-866-8016 or 408-243-1762 (fax)

Co:Writer 2.0
Word prediction program
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; System 7 recommended; a word processor.
$290 retail
Don Johnston, Inc.; 1000 N. Rand Rd., Bldg. 115; PO Box 639; Wauconda, IL 60084; 708-526-2682, 800-999-4660 or 708-526-4177 (fax)

Collaborative Writer
Professional writing environment
Macintosh 512K or larger; MultiLaunch; System 4.2 or later; Finder 6.0 or later.
$349 retail; per commercial network
$249 retail; per academic laboratory
RDA Mind Builders; 35 Crooked Hill Rd., Ste. 200; Commack, NY 11725; 516-499-0053, 800-654-8715 or 516-499-0389 (fax)

Conference Writer 1.6
Supports the writing process through peer collaboration
Macintosh Plus or larger; HyperCard 1.2.2; System 6.0.4 or later.
$249 per lab retail
RDA Mind Builders; 35 Crooked Hill Rd., Ste. 200; Commack, NY 11725; 516-499-0053, 800-654-8715 or 516-499-0389 (fax)

Correct Grammar 3.0
Writing aid
Macintosh Plus or larger; 1 MB of RAM.
$79.95 retail
Writing Tools Group, Inc.; 201 Alameda del Prado; Novato, CA 94948; 415-382-8000, 800-523-3520 or 415-883-1629 (fax)

Correct Quotes
More than 5,000 quotations
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.
$29 retail
Writing Tools Group, Inc.; 201 Alameda del Prado; Novato, CA 94948; 415-382-8000, 800-523-3520 or 415-883-1629 (fax)

Correct Writing
Complete writing guide
Macintosh Plus or larger; two 800K disk drives or hard disk drive (recommended).
$29 retail
Writing Tools Group, Inc.; 201 Alameda del Prado; Novato, CA 94948; 415-382-8000, 800-523-3520 or 415-883-1629 (fax)

Correctamente
Spanish spelling dictionary
Macintosh Plus or larger; hard disk drive; Microsoft Word.
$32.95 retail U.S.; $43 retail non-U.S.
$5 retail U.S.; $7 retail non-U.S.; Demo
Medina Software, Inc.; PO Box 521917; Longwood, FL 32752; 407-260-1676 or 407-260-1636 (fax)

Dashes DA
Hyphenation DA for multilingual word processing and publishing
Macintosh Plus or larger.
$95 per language retail
$39 per language retail; Dashes DA for PublishIt! and PublishIt!Easy
Circle Noetics; 5 Pine Knoll Dr.; Mont Vernon, NH 03057; 603-672-6151 or 603-672-8025 (fax)

DocuComp II
Compares different versions of word processing documents and source code listings
Macintosh 512KE or larger.
$179 retail
$699 retail; five users
$999 retail; 10 users
Mastersoft, Inc.; 8737 E. Via de Commercio; Scottsdale, AZ 85258; 602-948-4888, 800-624-6107 or 602-948-8261 (fax)

Dramatica
Story creation and analysis
Macintosh Plus or larger; high-density disk drive.
$399 retail
Screenplay Systems, Inc.; 150 E. Olive Ave., Ste. 203; Burbank, CA 91502; 818-843-6557 or 818-843-8364 (fax)

■ **EGBridge 6.0**
Input utility for EGWord
Macintosh with 68020 processor or larger or Power Macintosh; 8 MB of RAM; System 7.0 or later; Kanjitalk 7 or later or System 7 or later with Japanese Language Kit.
EGBridge is the most compatible input utility for EGWord, and has now been upgraded to support Power Macintosh mode and TSM. EGBridge contains new features, such as Zip code conversion palette, letter palette and Kanji radical search palette. These are new "plug-in" features that are extensions that can be added whenever desired. The powerful dictionary included has been improved and the operation environment is more flexible. Users may store a desired dictionary in the system memory and the setup is user customizable. By using "alias," users may store the dictionary in the ROM disk or limit the number of dictionaries accessible.
$180 retail
CCIC; 605 Addison St., Ste. A; Berkeley, CA 94710; 510-548-2242 or 510-843-5173 (fax)

EndLink
Allows users to import references from online services directly into EndNote or EndNote Plus
Macintosh 512KE or larger; EndNote or EndNote Plus.
$99 retail
Niles & Associates, Inc.; 800 Jones St.; Berkeley, CA 94710; 510-559-8592 or 510-559-8683 (fax)

EndNote
Bibliographic database
Macintosh 512KE or larger.
$149 retail
Niles & Associates, Inc.; 800 Jones St.; Berkeley, CA 94710; 510-559-8592 or 510-559-8683 (fax)

EndNote Plus
Bibliographic database
Macintosh Plus or larger.
$249 retail
Niles & Associates, Inc.; 800 Jones St.; Berkeley, CA 94710; 510-559-8592 or 510-559-8683 (fax)

EuroScript
Use standard Macintosh fonts to type French, German, Spanish, Portuguese, Danish, Norwegian, Swedish, Frisian and Breton
Any Macintosh.
$49.95 retail
Linguist's Software; PO Box 580; Edmonds, WA 98020; 206-775-1130 or 206-771-5911 (fax)

EuroScript Text Converter
Text converter
Any Macintosh.
$79.95 retail
Linguist's Software; PO Box 580; Edmonds, WA 98020; 206-775-1130 or 206-771-5911 (fax)

FirstAid For Writers
Solves a user's writing problems
Macintosh Plus or larger; System 4.1 or later (System 6.0.4 or later and printer recommended).
$299 retail
The WritePro Corp.; 43 S. Highland Ave.; Ossining, NY 10562; 914-762-1255, 800-755-1124 or 914-762-5871 (fax)

Funk And Wagnalls Standard Desk Dictionary
Dictionary
Macintosh Plus or larger; hard disk drive; System 5.0 or later.
$79.95 retail
Inductel Inc.; 5339 Prospect Rd., Ste. 321; San Jose, CA 95129; 408-866-8016 or 408-243-1762 (fax)

Grammatik 5 For Macintosh
Grammar and style checker
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.3 or later.
$99 retail
WordPerfect, The Novell Applications Group; 1555 N. Technology Way; Orem, UT 84057; 801-225-5000, 800-451-5151 or 801-228-5377 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

Hebrew Davka
Inserts short passages of Hebrew into most standard applications
Macintosh Plus or larger.
$69.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

HyperSpeller
HyperCard spell checker
Macintosh Plus or larger; 1 MB of RAM.
$49.95 retail
$149.85 retail; lab pack of 10
K-12 MicroMedia Publishing, Inc.; 6 Arrow Rd.; Ramsey, NJ 07446; 201-825-8888, 800-292-1997 or 201-825-0582 (fax)

■ **HyperTyper**
Coorespondence processor
Macintosh Plus or larger; 2 MB of RAM; HyperCard 2.0 or later.
HyperTyper is a hypermedia correspondence processor. Users can design stationery, write and print letters, print return address labels, mailing labels and envelopes. Features include: use HyperTyper in bold, italic, underline, outline or shadowed text in various font sizes and font types; add HyperCard buttons to create bullet lists of points to emphasize, pointers to items of special emphasis, counters to enumerate statements, check boxes for surveys and questionnaires and icon art to add interest; and utilize HyperCard's painting tools to add art work to stationery or use the Graph Maker stack to add charts and graphs.
$59.95 retail; a free demo version can be downloaded from America Online
Serendipity Software Co.; PO Box 332; Bodega, CA 94922; 707-876-9840 (phone/fax)

InduScript Text Converter
Text converter
Any Macintosh.
$79.95 retail
Linguist's Software; PO Box 580; Edmonds, WA 98020; 206-775-1130 or 206-771-5911 (fax)

IT
Interlinear text processing system
Macintosh Plus or larger.
$199.95 retail
Linguist's Software; PO Box 580; Edmonds, WA 98020; 206-775-1130 or 206-771-5911 (fax)

JAM Medical Dictionaries
Dictionaries for health care users
Any Macintosh.
$60 retail
JAM Software USA; PO Box 4036; Meriden, CT 06450; 203-630-0055, 203-686-1900 (fax), Int. + 612-550-0884 (Australia) or 612-564-3353 (fax)

Kappa
Capitalization tool
Macintosh Plus or larger.
$69 retail
Skidmark Software; 414 W. Russell Ave.; Santa Ana, CA 92707; 714-543-5592

■ **Key Into French**
French/English bilingual dictionary
Macintosh Plus or larger; 160K of RAM; 1 MB of free hard disk space; System 6.0.7 or later.
Key Into French is an on-screen French/English bilingual dictionary. Users can type a word and instantly see an accurate translation. It can be used with a word processor or any other application. Key to French, based on Random House French Dictionary, contains 40,000 entries and has two databases: English to French and French to English. Users can also choose to have the menus in French or English. Special reference tables make looking up useful phrases, food terms or weights and measures a snap. This dictionary is perfect for students, business people, teachers or anyone else who uses French and English on their computer.
$59.95 retail
Exceller Software Corp.; 2 Graham Rd. W; Ithaca, NY 14850; 607-257-5634 or 607-257-1665 (fax)

■ **Key Into German**
German/English bilingual dictionary
Macintosh Plus or larger; 160K of RAM; 1 MB of free hard disk space; System 6.0.7 or later.
Key Into German is an on-screen German/English bilingual dictionary. Users can type a word and instantly see an accurate translation. It can be used with a word processor or any other application. Key to German, based on Random House German Dictionary, contains 40,000 entries and has two databases: English to German and German to English. Users can also choose to have the menus in German or English. Special reference tables make looking up useful phrases, food terms or weights and measures a snap. This dictionary is perfect for students, business people, teachers or anyone else who uses German and English on their computer.
$59.95 retail
Exceller Software Corp.; 2 Graham Rd. W; Ithaca, NY 14850; 607-257-5634 or 607-257-1665 (fax)

■ **Key Into Italian**
Italian/English bilingual dictionary
Macintosh Plus or larger; 160K of RAM; 1 MB of free hard disk space; System 6.0.7 or later.
Key Into Italian is an on-screen Italian/English bilingual dictionary. Users can type a word and instantly see an accurate translation. It can be used with a word processor or any other application. Key to Italian, based on Random House Italian Dictionary, contains 30,000 entries and has two databases: English to Italian and Italian to English. Users can also choose to have the menus in Italian or English. Special reference tables make looking up useful phrases, food terms or weights and measures a snap. This dictionary is perfect for students, business people, teachers or anyone else who uses Italian and English on their computer.
$59.95 retail
Exceller Software Corp.; 2 Graham Rd. W; Ithaca, NY 14850; 607-257-5634 or 607-257-1665 (fax)

■ **Key Into Spanish**
Spanish/English bilingual dictionary
Macintosh Plus or larger; 160K of RAM; 1 MB of free hard disk space; System 6.0.7 or later.
Key Into Spanish is an on-screen Spanish/English bilingual dictionary. Users can type a word and instantly see an accurate translation. It can be used with a word processor or any other application. Key to Spanish, based on Random House Spanish Dictionary, contains 30,000 entries and has two databases: English to Spanish and Spanish to English. Users can also choose to have the menus in Spanish or English. Special reference tables make looking up useful phrases, food terms or weights and measures a snap. This dictionary is perfect for students, business people, teachers or anyone else who uses Spanish and English on their computer.
$59.95 retail
Exceller Software Corp.; 2 Graham Rd. W; Ithaca, NY 14850; 607-257-5634 or 607-257-1665 (fax)

LaserTransliterator
LaserWriter transliteration software and 130 languages
Macintosh 512KE or larger.
$99.95 retail
Linguist's Software; PO Box 580; Edmonds, WA 98020; 206-775-1130 or 206-771-5911 (fax)

■ **Letters On A Disk**
Assistance for handling correspondence
Macintosh Plus or larger; FileMaker Pro runtime.
Letters On A Disk is a computer program for handling virtually every correspondence chore, whether personal or business. It consists of more than 60 expertly-composed sample letters, coded by category, that can be called up on a computer and easily individualized to fit whatever the corresondence situation calls for. The sample letters cover such subjects as resume cover letters, notes of condolence and congratulations, letters of recommendation, thank-you notes and even loan requests and/or responses. The program also provides a quick-access address file, adjusts letter text to fit different-sized stationery and postcards and comes with a text offering interesting, practical tips on letter writing. Basically, this is a program for people who hate to write letters, because it combines computer versatility with originality.
$49 retail
Simplified; 642 E. Squirrel Tail Dr.; Tucson, AZ 85704; 602-797-2990 or 602-797-7865 (fax)

LinksWare
Adds hypertext links between standard files
Macintosh Plus or larger; 2 MB of RAM; System 7.0 or later.
$189 retail
LinksWare Corp.; 641 Lily St.; Monterey, CA 93940; 408-372-4155 or 408-646-9104 (fax)

LogoVista E To J
English to Japanese translation system
Macintosh Classic II or larger; or Power Macintosh; 8 MB of RAM; 35 MB of free hard disk space; KanjiTalk 7.1 or later or Apple's Japanese Language Kit.
$1,995 retail
$495 and $995 retail; optional Technical Dictionaries
Language Engineering Corp.; 385 Concord Ave.; Belmont, MA 02178; 617-489-4000 or 617-489-3850 (fax)

Lookup 2.4
Desk accessory that checks a user's spelling as they type in any application that allows text
Macintosh Plus or larger; System 4.2 or later.
$59.95 suggested retail
Working Software, Inc.; PO Box 1844; Santa Cruz, CA 95061; 408-423-5696, 800-229-9675 or 408-423-5699 (fax)

■ **Mac Marketing Disk**
Business correspondence
Any Macintosh.
The Mac Marketing Disk is a collection of sample documents to use to acquire new clients, responses to RFPs and sample resumes. There are two versions available: a Microsoft Word file and a text file. Letters and forms are examples of correspondence actually used everyday in a small design office, ready to be edited, customized and used. Some of the samples are: Owner/Architect Contracts; Thanks, but no thanks for the unsolicited resume; Proposals to Clients; Letters of Agreements; Collection Letters (nice, less nice and nasty); Public Relations; and News Releases.
$60 retail
CDG Architects; 345 E. Toole Ave., Ste. 202; Tucson, AZ 85701; 602-629-9752 or 602-798-3341 (fax)

Mac Pro-Cite 2.1; Biblio-Link II
Database management program for organizing bibliographic references and formatting bibliographies; Biblio-Link II transfers records downloaded from various online, CD-ROM, library and diskette-based systems into Pro-Cite
Macintosh Plus or larger; hard disk drive recommended; System 6.0.2 or later.
$395 retail; Pro-Cite
$140 retail; upgrades
$195 retail; Biblio-Link II
$65 retail; upgrade to Biblio-Link II
$490 retail; Pro-Cite and Biblio-Link II
A free sample disk is available
Personal Bibliographic Software, Inc.; PO Box 4250; Ann Arbor, MI 48106; 313-996-1580 or 313-996-4672 (fax)

MacHebrew Scriptures Converter
Creates 20 optional text formats
Macintosh 512K or larger; MacHebrew Scriptures.
$79.95 retail
Linguist's Software; PO Box 580; Edmonds, WA 98020; 206-775-1130 or 206-771-5911 (fax)

MacKojien CD-ROM
Japanese reference dictionary
Macintosh Plus or larger; 4 MB of RAM; Japanese Language Kit with System 7.1 or KanjiTalk 6.0.7 or later; CD-ROM drive.
$499 retail
Qualitas Trading Co.; 2029 Durant Ave.; Berkeley, CA 94704; 510-848-8080 or 510-848-8009 (fax)

MacPhonetics
Transliteration software, IPA, SIL and 130 languages
Any Macintosh.
$79.95 retail

Linguist's Software; PO Box 580; Edmonds, WA 98020; 206-775-1130 or 206-771-5911 (fax)

MarkUp 2.0
Document editing and review
Macintosh Plus or larger; System 6.0 or later.
$195 retail
Mainstay; 591-A Constitution Ave.; Camarillo, CA 93012; 805-484-9400 or 805-484-9428 (fax)

MasterWord
Comprehensive enhancement to Microsoft Word 5.0 or 5.1
Macintosh Plus or larger; Microsoft Word 5.0 or 5.1.
$99.95 retail
Alki Software Corp.; 300 Queen Anne Ave. N, Ste. 410; Seattle, WA 98109; 206-286-2600, 800-669-9673 or 206-286-2785 (fax)

Medina Spelling Dictionary
Medical, religious and technical spelling dictionary
Any Macintosh; external disk drive; Microsoft Word.
$16.95 retail U.S.; $27 retail non-U.S.
$5 retail U.S.; $7 non-U.S. demo
Medina Software, Inc.; PO Box 521917; Longwood, FL 32752; 407-260-1676 or 407-260-1636 (fax)

Microsoft Word Comprehensive Thesaurus And Comprehensive Spelling
Comprehensive versions of Microsoft Word's American English thesaurus and spelling dictionary
Macintosh Plus or larger; Microsoft Word 5.x.
$79.95 each retail
Alki Software Corp.; 300 Queen Anne Ave. N, Ste. 410; Seattle, WA 98109; 206-286-2600, 800-669-9673 or 206-286-2785 (fax)

Microsoft Word Proofing Tools
Spelling dictionary, hyphenation file and thesaurus for 14 different languages
Macintosh Plus or larger; Microsoft Word 5.0 or later.
$89.95 per language retail
Alki Software Corp.; 300 Queen Anne Ave. N, Ste. 410; Seattle, WA 98109; 206-286-2600, 800-669-9673 or 206-286-2785 (fax)

Milon Plus
Hebrew-English dictionary/spell checker
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.
$49.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

Milspell For WordPerfect
Military and engineering dictionary
Macintosh Plus or larger; WordPerfect 2.1 or later.
$19.95 retail; quantity discounts available
Sizzling Software; 2800A Lafayette Rd., #134; Portsmouth, NH 03801; 603-926-8336

MiniWriter
Text processor desk accessory
Macintosh 512K or larger.
Shareware ($12 payment from satisfied users)
Maitreya Design; PO Box 12085; Eugene, OR 97440; 503-342-2834 or

Mishu-Wuhan, Tainan And Suzhou
Chinese desk accessories
Macintosh Plus or larger; hard disk drive.
$329 retail; Mishu-Wuhan (offers 6,763 simplified characters)
$159 retail; Mishu-Tainan (offers 5,401 traditional characters)
$129 retail; Mishu-Suzhou (offers 3,755 simplified characters)
Xanatech, Inc.; 61 Oriole Crescent, Ste. 1; Singapore 1128; (65) 2244073 or (65) 2238324 (fax)

NW Semitic
12 interchangable Hebrew system fonts
Macintosh Plus or larger.
$79.95 retail
Linguist's Software; PO Box 580; Edmonds, WA 98020; 206-775-1130 or 206-771-5911 (fax)

Power Translator
Makes the Mac multilingual
Macintosh II or larger; 1 MB of RAM; 20 MB of free hard disk space; System 7.0 or later.
Call for pricing
Globalink Inc.; 9302 Lee Hwy., 12th Fl.; Fairfax, VA 22031; 703-273-5600, 800-255-5660 or 703-273-3866 (fax)

Pre-Dict-ate 1.1
Voice recognition predictive typer; allows complete voice control of typing and computer navigation
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; MultiFinder; System 6.0.4 or later.
$725 U.S. retail; for Macs with built-in sound
Madenta Communications, Inc.; 9411 A 20th Ave.; Edmonton, Alberta, Canada T6N 1E5; 403-450-8926, 800-661-8406 or 403-988-6182 (fax)

PrimusMac
Provides spell checking via AppleEvents and direct processing of text and RTF files
Macintosh Classic or larger; 4 MB of RAM; hard disk drive; System 7.0 or later.
Call for pricing
Applied Technologies; Niedstrasse 22; D-12159 Berlin; Germany; +49-30-8592958 or +49-30-8514615 (fax)

Quotemaster Plus/Mac
Gives users access to more than 9,000 famous quotations
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.
$89 retail; Base System
$60 each retail; additional quotepacks
$45 retail; Author Information
$270 retail; Quotemaster Plus Professional Package (base system, author base and all quotebases)
PennComp; 4660 Beechnut, Ste. 221; Houston, TX 77096; 713-669-0965, 800-326-6145 or 800-326-1634 (fax)

Random House Webster's Electronic Dictionary & Thesaurus College Edition
180,000-word dictionary; 275,000-word thesaurus
Macintosh Plus or larger; 1 MB of RAM; hard disk drive with 6 MB of free space; System 6.x or later.
$99 retail
WordPerfect, The Novell Applications Group; 1555 N. Technology Way; Orem, UT 84057; 801-225-5000, 800-451-5151 or 801-228-5377 (fax)

■ **Random House Websters School & Office Dictionary**
60,000 words and definitions
Macintosh Plus or larger.
The Random House Websters School & Office Dictionary is a concise dictionary that gives users quick and easy access to 60,000 words and definitions. The program operates with all major software applications and supports the Writing Tools API. The dictionary uses a computerized dictionary database supplied by Random House. Through data compression, the program operates on low memory requirements (3 MB), making it ideal for laptops and small hard drives. Several search features, including Anagram, Browse, Historical and Wildcard, make it easy to find words and definitions, even if users don't know a word or how a word is spelled.
$29.95 retail
WordPerfect, The Novell Applications Group; 1555 N. Technology Way; Orem, UT 84057; 801-225-5000, 800-451-5151 or 801-228-5377 (fax)

■ **Read Any Data Fork 1.0.2**
Simple text editor opens/reads/writes any data fork
Macintosh 512KE or larger; System 4.1 or later.
Read Any Data Fork is a drag-and-drop, multiwindowed, mono-styled text editor that can open and read any Macintosh file's data fork so that users can read the ASCII text (pictures and other non-ASCII control characters are displayed in "non-understandable" ASCII form). Examples include: the text from a Macintosh file format users cannot interpret may be read; and for HyperCard stacks containing few graphics and sounds, users can reasonably wade through it without actually owning a HyperCard reader. It is Power Macintosh compatible.
$3 retail
Esoteric Software; PO Box 744; Falls Church, VA 22040; 703-532-6981 or 800-217-5051 (orders)

Read My Lips V3.0
Sound annotation software
Macintosh Plus or larger; System 6.0.7 or later.
$119 retail
Praxitel, Inc.; PO Box 452; Pleasanton, CA 94566; 510-846-9380 or 510-846-2681 (fax)

The Resume Kit
Resume creation
Macintosh Plus or larger; 1 MB of RAM; 800K disk drive; System 4.2/Finder 6.0 or later.
$39.95 retail
Spinnaker Software Corp.; 201 Broadway, 6th Fl.; Cambridge, MA 02139; 617-494-1200, 800-323-8088, ext. 555 or 617-494-1219 (fax)

ResumeMaker
Resume software
Macintosh Plus or larger.
$49.95 retail
Individual Software, Inc.; 5870 Stoneridge Dr., #1; Pleasanton, CA 94588; 510-734-6767, 800-822-3522 or 510-734-8337 (fax)

ResuméWriter
Desktop publishing tool for personal resumes
Macintosh 512KE or larger; external disk drive.
$100 retail; Professional ResuméWriter (multiple resumes)
$30 retail; Student ResuméWriter (one name only)
Bootware Software Co., Inc.; 18369 Eddy St., Ste. 101; Northridge, CA 91325; 818-727-7460, 800-358-1923 or 818-727-7463 (fax)

RésumExpert
Résumé templates
Macintosh 512KE or larger; Microsoft Word, Works, WriteNow or MacWrite II.
$95 each retail
A Lasting Impression; 49 Thornberry Rd.; Winchester, MA 01890; 617-721-2037 or 617-729-7502 (fax)

RevolvingDoors 1.1
Predictive scanning keyboard
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.3 or later.
$395 U.S. retail; free demo disk available
Madenta Communications, Inc.; 9411 A 20th Ave.; Edmonton, Alberta, Canada T6N 1E5; 403-450-8926, 800-661-8406 or 403-988-6182 (fax)

rStone 2.0
English to Japanese dictionary
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; Japanese Language Kit with System 7.1 or KanjiTalk 6.0.5 or later.
$349 retail
Qualitas Trading Co.; 2029 Durant Ave.; Berkeley, CA 94704; 510-848-8080 or 510-848-8009 (fax)

SciWords
Technical dictionaries
Macintosh Plus or larger; WordPerfect 2.0/3.0 or Microsoft Word 5.0.
$50 retail; SciWords for Chemistry
$70 each retail; SciWords for Agriculture, SciWords for Environment
Pool, Heller and Milne, Inc.; 9520 Linden Ave.; Bethesda, MD 20814; 301-493-6595 or 301897-3487 (fax)

ScreenDoors 1.2
Predictive point and click on-screen keyboard
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.3 or later.
$385 U.S. retail; free demo disk available
Madenta Communications, Inc.; 9411 A 20th Ave.; Edmonton, Alberta, Canada T6N 1E5; 403-450-8926, 800-661-8406 or 403-988-6182 (fax)

ScreenDoors Lite 1.2
On-screen keyboard; includes foreign languages
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.4 or later.

These Products Available Through Bottom Line Distribution
1-800-347-1923

$175 U.S, retail; free demo disk available
Madenta Communications, Inc.; 9411 A 20th Ave.; Edmonton, Alberta, Canada T6N 1E5; 403-450-8926, 800-661-8406 or 403-988-6182 (fax)

Shasta-J 1.1
English/Japanese online dictionary
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.
$195 retail
SystemSoft Florida, Inc.; PO Box 4260; Vero Beach, FL 32964; 800-882-8856 or 407-569-1937 (fax)

SoftQuad RulesBuilder
Interactive editor for creating SGML DTDs, which also act as SoftQuad Author/Editor rules files
Macintosh with 1 MB of RAM; 1 MB of disk space.
$995 retail
SoftQuad Inc.; 56 Aberfoyle Crescent, Ste. 810; Toronto, Ontario, Canada M8X 2W4; 416-239-4801 or 416-239-7105 (fax)

Sonar Bookends
Creates an index and table of contents
Macintosh Plus or larger.
$129.95 retail
Virginia Systems, Inc.; 5509 W. Bay Ct.; Midlothian, VA 23112; 804-739-3200 or 804-739-8376 (fax)

SpanGlish
Stack for Spanish<->English
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; HyperCard 1.2.5 or later.
$12.95 retail U.S.; $23 retail non-U.S.
Medina Software, Inc.; PO Box 521917; Longwood, FL 32752; 407-260-1676 or 407-260-1636 (fax)

Spelling Coach Professional 4.0
Interactive spelling checker
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.
$195 retail; site licenses and network versions are available
Deneba Software; 7400 SW 87th Ave.; Miami, FL 33173; 305-596-5644 or 305-273-9069 (fax)

Spellswell 7 1.0.4
Apple Events spelling checker and proofreader
Macintosh 512KE or larger; System 4.2 or later.
$74.95 suggested retail; Spellswell 7
$49.95 each suggested retail; Medical or Legal Dictionary
$39.95 each suggested retail; Geographical or Science Dictionary
$29.95 suggested retail; Business Dictionary
$19.95 suggested retail; Expanded Dictionary
Working Software, Inc.; PO Box 1844; Santa Cruz, CA 95061; 408-423-5696, 800-229-9675 or 408-423-5699 (fax)

Spiral
Takes and organizes notes on a PowerBook
Macintosh PowerBook; System 7.0 or later.
$79 retail
TechWorks; 4030 Braker Ln. W, Ste. 350; Austin, TX 78759; 512-794-8533, 800-688-7466 or 512-794-8520 (fax)

Statitext 1.1
Text analyzer
Macintosh Plus or larger; 1 MB of RAM; System 6.0.3 or later.
$599 U.S. retail
Yod Productions, Inc.; 336 Cathcart St.; Ottawa, Ontario, Canada K1N 5C4; 613-241-1262 (phone/fax)

Student's Dreamtools; Writer's Dreamtools
HyperCard stacks for students and writers
Macintosh Plus or larger; hard disk drive; System 6.0.5.
$89 retail; Student's Dreamtools
$149 retail; Writer's Dreamtools
Individual stacks are available exclusively from Heizer Software (800-888-7667)
Slippery Disks; PO Box 1126; Los Angeles, CA 90069

Stylist
Microsoft Word companion
Macintosh Plus or larger; System 6.0 or later; Microsoft Word 4.0 or later.
$79.95 retail
SNA, Inc.; 2200 NW Corporate Blvd., Ste. 404; Boca Raton, FL 33431; 407-241-0308, 800-628-6442 or 407-241-3195 (fax)

Sweet Jam 7.0
Japanese language interfaces
Macintosh Classic or larger; 4 MB of RAM; hard disk drive; System 6.0.8 or later.
$349 retail
Qualitas Trading Co.; 2029 Durant Ave.; Berkeley, CA 94704; 510-848-8080 or 510-848-8009 (fax)

Telepathic 1.1
Predictive word accelerator
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.3 or later.
$325 U.S. retail; free demo disk available
Madenta Communications, Inc.; 9411 A 20th Ave.; Edmonton, Alberta, Canada T6N 1E5; 403-450-8926, 800-661-8406 or 403-988-6182 (fax)

Thunder 7
Spell checker
Macintosh Plus or larger; System 6.03 or later.
$99 retail
Baseline Publishing, Inc.; 1770 Moriah Woods Blvd., Ste. 14; Memphis, TN 38117; 901-682-9676 or 901-682-9691 (fax)

■ **Translate It!**
Document translation
Macintosh II series with 68020 processor or larger; 2 MB of RAM (4 MB recommended); System 7.0 or later.
Translate It! is an easy-to-use, whole document translation program, available for Spanish, French and German. Fast and accurate, it is ideal for personal or business use. Translate It! is capable of translating whole documents, individual words or sentences at the push of a button. Users can translate documents as they are created with the built-in text editor, or import them from a word processor, translate them and export them to the word processor or page layout program. Translate It! gives users full-sentence, idiomatic accuracy and even choices for translating a word based on grammatical usage. Translate It! also features a user-editable dictionary that allows users to add proper names, technical terms and other custom words.
$99.95 retail
Timeworks International, Inc.; 625 Academy Dr.; Northbrook, IL 60062; 708-559-1300, 800-323-7744 (orders) or 708-559-1399 (fax)

The Translator 2.5
English to Japanese translation program
Macintosh Classic or larger; 4 MB of RAM; hard disk drive; Japanese Language Kit with System 7.1 or KanjiTalk 6.0.7 or later.
$1,195 retail
Qualitas Trading Co.; 2029 Durant Ave.; Berkeley, CA 94704; 510-848-8080 or 510-848-8009 (fax)

Useful File Comparison For Macintosh
Multiwindow file comparison utility
Macintosh Plus or larger; System 4.1 or later.
$69.95 retail
Useful Software Corp.; 12 Page St.; Danvers, MA 01923; 508-774-8233 or 508-774-3918 (fax)

Vantage
Text processor desk accessory
Macintosh 512KE or larger; System 5.0 or later.
$99 retail
Baseline Publishing, Inc.; 1770 Moriah Woods Blvd., Ste. 14; Memphis, TN 38117; 901-682-9676 or 901-682-9691 (fax)

Webster Ninth New Collegiate Dictionary By Merriam-Webster
Dictionary on CD-ROM
Macintosh Plus or larger; hard disk drive; CD-ROM drive.
$199.95 retail
Highlighted Data, Inc.; 6628 Midhill Pl.; Falls Church, VA 22043; 703-533-1939 or 703-533-2039 (fax)

Word Finder Plus With Concise Definitions
Electronic thesaurus
Macintosh Plus or larger; System 6.0 or later.
$39.95 retail
Microlytics, Inc.; 2 Tobey Village Office Park; Pittsford, NY 14534; 716-248-9150, 800-828-6293 or 716-248-3868 (fax)

■ **Word Hunter CD-ROM**
Multidictionary
Macintosh Plus or larger; 4 MB of RAM; Japanese Language Kit with System 7.1 or KanjiTalk 6.0.5 or later; CD-ROM drive.
Word Hunter gives Macintosh users access to Sanseido's multidictionary CD-ROM. This reference CD comprises a combined total of more than 330,000 entries, which can be quickly and easily searched or browsed via entry words, wild cards and even compound searches. Word Hunter's 13 dictionaries include a theseaurus, an idiom collection, several English to Japanese and Japanese to English dictionaries and special dictionaries for letter writing, word processing and imported foreign words (gairaigo). It comes with Japanese documentation.
$599 retail
Qualitas Trading Co.; 2029 Durant Ave.; Berkeley, CA 94704; 510-848-8080 or 510-848-8009 (fax)

Word Wrapper
Word processing utility
Macintosh Plus; System 4.2 or later; Finder 6.0 or later.
$39.95 retail
Open Designs, Inc.; 1651 Lombard St.; San Francisco, CA 94123; 415-929-0924 or 415-929-1425 (fax)

Writer's Helper 3.0
Prewriting and revising software for students
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later.
$135 retail; free demo disks available
$270 retail; Ed Pack 6
$450 retail; Ed Pack 15
$675 retail; Ed Pack 25
$810 retail; network
Conduit; The University of Iowa; 100 Oakdale Campus, M306 OH; Iowa City, IA 52242; 319-335-4100 or 800-365-9774

Writing Process Workshop
Computer-guided way to fluency, form and correctness in writing
Macintosh Plus or larger; HyperCard 1.2.2 or later.
$249 retail; set of four
Educational Activities, Inc.; PO Box 392; Freeport, NY 11520; 516-223-4666, 800-645-3739 or 516-623-9282 (fax)

WRPass And XLPass
Password recovery programs
Macintosh Plus or larger.
$185 each retail
AccessData; 560 South State, Ste. J-1; Orem, UT 84058; 801-224-6970, 800-658-5199 or 801-224-6009 (fax)

The "I Know" Approach To Workplace Literacy
Customized basic skills courseware using job-specific content
Macintosh LC or larger; 2 MB of RAM; hard disk drive; CD-ROM drive; headphones suggested.
Call for pricing
Interactive Knowledge, Inc.; 1100 S. Mint St., Ste. 209; Charlotte, NC 28203; 704-344-0055, 800-344-1502 or 704-344-1505 (fax)

"Talking" Once Upon A Time...
Desktop publishing for 6 to 12 year olds
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.
$59.95 retail
$129.95 each retail; lab pack (no lab pack for Vol. IV)
$499.95 retail; network edition (no network for Vol. IV)
$599.95 retail; site license (no site license for Vol. IV)
Compu-Teach, Inc.; 16541 Redmond Way, Ste. 137-C; Redmond, WA 98052; 800-448-3224 or 206-883-9169 (fax)

"Talking" Stepping Stones Bonus Pack (Levels I & II)
Fundamental math and reading
Macintosh Plus or larger; 1 MB of RAM.
$59.95 retail
$129.95 retail; lab pack
$499.95 retail; network edition
$599.95 retail; site license
Compu-Teach, Inc.; 16541 Redmond Way, Ste. 137-C; Redmond, WA 98052; 800-448-3224 or 206-883-9169 (fax)

$Foresal
Economic simulation and education programs
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later.
$49.50 retail; $Foresal 29
$49.50 retail; $Foresal Education
$99.50 retail; $Foresal 93
J.P. Consulting, Inc.; PO Box 3053; Duluth, MN 55803; 218-724-8920

10 Manmade Wonders: A Royal Geographical Society Electronic Guide
Takes users on a tour of 10 wonders, from Venice to the Great Wall of China to the Taj Mahal and more
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$99.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

1912, 2nd Edition
Hypertext document
Macintosh Classic or larger; 1 MB of RAM.
$45 retail
Eastgate Systems, Inc.; PO Box 1307; Cambridge, MA 02238; 617-924-9044, 800-562-1638 or 617-923-4575 (fax)

■ **The 1993-'94 American Heritage Illustrated Encyclopedic Dictionary**
Research, reference and library tools
Macintosh with 68030 processor or larger; 2 MB of free RAM; 2 MB of free hard disk space; 8-bit, 256 colors (640 by 480); System 7.0 or later; CD-ROM drive.
Based on the highly regarded American Heritage Illustrated Encyclopedic Dictionary published by Houghton Mifflin, this multimedia reference includes more than 180,000 entries and thousands of full-color illustrations. Users can look up a word without knowing the exact spelling, simply by selecting the first few letters of that word on the lookup screen and hitting the search button. A list of words that begin with those letters will display within seconds. Users can page from definition to definition, or use the powerful "hot word" searching facility, which will call up all associated definitions when any word in the text is selected.
$39.95 retail
Xiphias; 8758 Venice Blvd.; Los Angeles, CA 90034; 310-841-2790, 800-421-9194 or 310-841-2559 (fax)

20,000 Leagues Under The Sea
Talking storybook
Macintosh LC or larger; 2 MB of RAM; CD-ROM drive.
$69 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

3 For Kids And Adults Too!
Three different programs of enjoyment
Macintosh Plus or larger; 1 MB of RAM.
$59.95 retail
ISM, Inc.; 2103 Harmony Woods Rd.; Owings Mills, MD 21117; 410-560-0973 or 410-560-1306 (fax)

3-In-1 Interactivity Packs
Interactive classic children's story
Macintosh II or larger; 4 MB of RAM; 13-inch or larger color display; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
Interactive Publishing Corp.; 300 Airport Executive Park; Spring Valley, NY 10977; 914-426-0400 or 914-426-2606

7 Natural Wonders: A Sierra Club Electronic Guide
Discover seven of the earth's most extraordinary natural marvels
Macintosh LC or larger; 4 MB of RAM; 12- or 13-inch color monitor; CD-ROM drive.
$99.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

A Field Trip Into The Sea
Introduces students to the kelp forest and rocky shore habitat; grades 2 to 10
Macintosh LC or larger; 2 MB of RAM; hard disk drive or two high-density disk drives.
$99 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

A Field Trip To The Rainforest
Students discover and explore the environment of the Central-American rainforest; grades 2 to 10
Macintosh LC or larger; 2 MB of RAM; hard disk drive or two high-density disk drives.
$99 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

A German Requiem
Audio notes
Macintosh Plus or larger; 1 MB of RAM; hard disk drive with 5 MB of free space; CD-ROM drive; System 6.0.5 or later.
$66 retail
Time Warner Interactive; 2210 W. Olive Ave.; Burbank, CA 91506; 818-955-9999, 800-482-3766 or 818-955-6499 (fax)

A Long Hard Day On The Ranch
Interactive story; ages 5 and up; English/Spanish
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive; System 6.0.4 or later.
$29.95 retail
$35.95 retail; Classroom Edition
$155 retail; Lab Pack (five discs)
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

A Silly Noisy House, By Peggy Well
Animated audio toybox
Macintosh LC or larger; 4 MB of RAM; 2 MB of free disk space; 13-inch color monitor; 16-color display or better; speakers or headphones; System 6.0.7 or later; CD-ROM drive.
$59.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

A To Zap!
Reading; grades preschool to 1
Macintosh LC or larger; 4 MB of RAM; hard disk drive; color monitor.
$79 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

■ **A Tree Through The Seasons & Birds And How They Grow**
Children learn about trees and birds; ages 6 to 9
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later; CD-ROM drive.
A Tree through the Seasons, a beautifully photographed and illustrated story of a year in the life of an apple tree, introduces children to the cyclical process of plant growth. They'll learn how every part of a tree has a purpose — leaves make food for the tree, spring apple blossoms become the apples we eat and that the apples mature and ripen in autumn.
Birds and How They Grow is a fascinating book that chronicles the growth and development of young birds. Children will learn how chicks begin life inside an egg, how they hatch and what they eat. They'll also discover that most young birds learn to fly just a few weeks after birth, enabling them to leave the nest and their parents.
These interactive titles are complete with text, colorful illustrations, dramatic narration, original music and sound effects. Interactive learning software provides pronunciation, syllables, optional Spanish translation and in-context explanations for every word in the text with a click of the mouse. Users see and hear "labels" for parts of pictures by clicking on them.
$36.95 retail; two-disc value bundle
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

A World Alive: An Interactive Documentary
30-minute documentary on animal life
Macintosh with 68030/16 MHz processor or larger; System 7; 2 MB of RAM; CD-ROM drive (double speed recommended).
$49.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

■ **A.D.A.M. CD-ROM Animation Books**
Explore OB-Gyn, Orthopaedic, Trauma
Macintosh with 68030 processor; 8 MB of RAM; System 7.0.1 or later; CD-ROM drive.
A.D.A.M. CD-ROM Animation Books are modular additions to A.D.A.M. (Animated Dissection of Anatomy for Medicine) applications for indepth exploration. A.D.A.M. Obstetrics & Gynecology operates independently or with other A.D.A.M. products and offers a comprehensive summary of birth and gynecological procedures for anatomy/medical instruction, physicians' reference and patient communications. A.D.A.M. Orthopaedic operates independently or with other A.D.A.M. products and includes animations of surgical procedures for anatomy of the lower limb. A.D.A.M. Trauma, which operates in conjunction with A.D.A.M. Standard and A.D.A.M. Comprehensive and appears on the A.D.A.M. Bookshelf, is a set of interactive animations, patient education documents and accompanying tools for simulating typical head, back and burn injuries.
$95 retail
A.D.A.M. Software, Inc.; 1600 RiverEdge Parkway, Ste. 800; Atlanta, GA 30328; 404-980-0888, 800-755-2326 or 404-955-3088 (fax)

■ **A.D.A.M. Comprehensive**
Anatomical study
Macintosh with 68030 processor; 8 MB of RAM; System 7.0.1 or later; CD-ROM drive.
A.D.A.M. (Animated Dissection of Anatomy for Medicine) Comprehensive is a CD-ROM-based interactive multimedia application for intensive anatomical study. Users can study system to system or structure to structure; and explore virtually unlimited views (anterior, posterior, lateral and medial) in hundreds of layers with three levels of magnification. Labeling lets users point and identify any structure. Numerous interactive functions include Highlighting/Extracting and Find feature, Histologies, Cross-sections, Radiologies

and MRIs. Featured are extensive medical terminology/comprehensive labeling and audio pronunciation guide.
$2,295 retail
A.D.A.M. Software, Inc.; 1600 RiverEdge Parkway, Ste. 800; Atlanta, GA 30328; 404-980-0888, 800-755-2326 or 404-955-3088 (fax)

■ **A.D.A.M. Essentials**
Learn anatomy and physiology
Macintosh with 68030 processor; 8 MB of RAM; System 7.0.1 or larger; CD-ROM drive.
A.D.A.M. (Animated Dissection of Anatomy for Medicine) Essentials is a CD-ROM-based interactive multimedia application for learning about anatomy and physiology at a beginning or intermediate level. Along with an introduction into the human body's anatomical makeup, A.D.A.M. Essentials offers easy-to-absorb comparisons of major structures and systems with associated text and animations. Two anatomical views (anterior and posterior) in 97 layers total with two levels of magnification.
$295 retail
A.D.A.M. Software, Inc.; 1600 RiverEdge Parkway, Ste. 800; Atlanta, GA 30328; 404-980-0888, 800-755-2326 or 404-955-3088 (fax)

■ **A.D.A.M. Standard**
Anatomical study
Macintosh with 68030 processor; 8 MB of RAM; System 7.0.1 or later; CD-ROM drive.
A.D.A.M. (Animated Dissection of Anatomy for Medicine) Standard is a CD-ROM-based interactive multimedia application for intensive anatomical study. Users can study system to system or structure to structure; and explore virtually unlimited views (anterior, posterior and static medial) in 167 total layers with three levels of magnification. Labeling lets users point and identify any structure. Numerous interactive functions include Highlighting/Extracting and Find feature. Featured are extensive medical terminology/comprehensive labeling and audio pronunciation guide.
$1,195 retail
A.D.A.M. Software, Inc.; 1600 RiverEdge Parkway, Ste. 800; Atlanta, GA 30328; 404-980-0888, 800-755-2326 or 404-955-3088 (fax)

ABC News InterActive
Videodiscs of historical, political and social events
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; Pioneer LD-V2200.
$395 to $1,185 (three-volume series) retail; school price
Optical Data Corp.; 30 Technology Dr.; Warren, NJ 07059; 908-668-0022 or 800-524-2481

ABC Songbook
Learn the ABCs and improve reading skills
Macintosh LC or larger; 5 MB of RAM; 12-inch color monitor; CD-ROM drive.
$19.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

About Cows
Full-text database on cows
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive.
$29.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A; Minneapolis, MN 55414; 612-379-3956 or 612-623-4570 (fax)

ACAI 1993 Annual Meeting
Medical meeting recorded on CD-ROM
Macintosh with 68030 processor or larger; 4 MB of RAM; color monitor; CD-ROM drive; System 7.0 or later.
$225 retail; individual
$595 retail; institutional
SilverPlatter Education, Inc.; 100 River Ridge Dr.; Norwood, MA 02062; 617-769-2599, 800-343-0064 or 617-769-8763 (fax)

Ace Detective
Reading skills; grade 3 to adult
Macintosh Plus or larger; 1 MB of RAM (2 MB for color); hard disk drive recommended; System 6.0 or later.
$69.99 retail
$185 retail; lab pack (six)
$499 retail; network
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

Ace Explorer
Sequencing reading game; grades 3 to adult
Macintosh Plus or larger; 1 MB of RAM (2 MB for color).
$69.99 retail
$185 retail; lab pack
$499 retail; network
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

Ace Inquirer
Reading for fact or opinion; grades 3 to adult
Macintosh Plus or larger; 1 MB of RAM (2 MB for color).
$69.99 retail
$185 retail; lab pack
$499 retail; network
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

Ace Reporter
Reading; grade 3 to adult
Macintosh Plus or larger; 1 MB of RAM (2 MB for color); hard disk drive recommended; System 6.0 or later.
$69.99 retail
$185 retail; lab pack (six)
$499 retail; network
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

Ace Reporter Deluxe
Reading for main ideas and details; grades 2 to adult
Macintosh Plus or larger; 1 MB of RAM (2 MB for color); hard disk drive recommended; System 6.0 or later.
$89.99 retail
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

Achieving Your Career
Job search management software
Macintosh Plus or larger; 2 MB of RAM (2.5 MB for System 7); System 6.0.7 or later.
$69 retail
Up Software, Inc.; 722 Lombard St., #204; San Francisco, CA 94133; 415-921-4691 or 415-921-0939 (fax)

The Acid-Base Diagnostician
Illustrates the principles of acid-base metabolism
Macintosh Plus or larger; 2 MB of RAM; HyperCard 2.1.
$150 retail
$500 retail; five-station site license
Keyboard Publishing, Inc.; 482 Norristown Rd., Ste. 111; Blue Bell, PA 19422; 610-832-0945, 800-945-4551 or 610-832-0948 (fax)

The Adventure Book Of Columbus
Story to promote reading abilities; children ages 7 to 11
Macintosh LC or larger; 4 MB of RAM; color monitor; System 7.0 or later; CD-ROM drive.
$39.95 U.S. retail
timebox inc.; PO Box 3060, Station D; Ottawa, Ontario, Canada K1P 6H6; 613-236-8969, 613-236-9232 (fax) or 908-782-5643 in U.S.

Adventures In Keyboard Land
Introduces the computer keyboard to beginning users; grades K to 4
Macintosh Plus or larger, System 7.0 or later.
$39.95 retail
$240 retail; lab pack (10 programs)
$290 retail; site license and networking
Barron Enterprises, Inc.; 714 Willow Glen Rd.; Santa Barbara, CA 93105; 805-687-5873

Adventures In Musicland V2.0
Educational and fun music
Macintosh 512KE or larger; 1 MB of RAM.
$79 retail
Dr. T's Music Software; 124 Crescent Rd., Ste. 3; Needham, MA 02194; 617-455-1454 or 617-455-1460 (fax)

The Adventures Of Jasper Woodbury
Videodisc-based math program; grades 5 to 6
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; videodisc player; TV or video monitor.
$1,795 retail; six-disc series (includes staff development scholarships)
$695 retail; two episodes
Optical Data Corp.; 30 Technology Dr.; Warren, NJ 07059; 908-668-0022 or 800-524-2481

The Adventures Of Pinocchio
A classic tale comes to life
Macintosh LC or larger; 2 MB of RAM; CD-ROM drive.
$39.95 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

Aesop's Fables
Interactive tales; ages 9 and up; English/Spanish
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive; System 6.0.4 or later.
$29.95 retail
$35.95 retail; Classroom Edition
$155 Lab Pack (five discs)
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

Aesop's Fables
Language arts, reading and spelling; ages 6 to 9
Macintosh LC or larger (color Macintosh only); System 6.0.7 or later.
$49.95 retail
Unicorn Software; 6000 S. Eastern Ave., Bldg. 9, Ste. A; Las Vegas, NV 89119; 702-597-0818 or 702-597-0008 (fax)

Aesopolis
Interactive world of Aesop's Fables
Color Macintosh; 2.5 MB of RAM; CD-ROM drive.
$99 retail
Quantum Leap Technologies, Inc.; 2916 Ponce de Leon Blvd., Ste. B; Coral Gables, FL 33134; 305-446-4141, 800-762-2877 (orders) or 305-446-4074 (fax)

Africa Interactive Insight 1.5
African information hypermedia program
Macintosh Plus or larger; 2 MB of RAM; hard disk drive with 6 MB of free space; color monitor for color version.
$64 retail; black and white
$74 retail; color
AfroLink Software; 1815 Wellington Rd.; Los Angeles, CA 90019; 213-731-5465 or 213-730-0653 (fax)

Afternoon, A Story
Hypertextual novel
Macintosh Classic or larger.
$19.95 retail
Eastgate Systems, Inc.; PO Box 1307; Cambridge, MA 02238; 617-924-9044, 800-562-1638 or 617-923-4575 (fax)

Alchemist
Introductory general chemistry
Macintosh Plus or larger; System 4.2 or later.
$27 retail
Brooks/Cole Publishing Co.; 511 Forest Lodge Rd.; Pacific Grove, CA 93950; 408-373-0728, 800-354-9706 or 408-375-6414 (fax)

Alge-Blaster Plus!
1st and 2nd semester algebra; ages 12 to adult
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$59.95 retail
Davidson & Associates, Inc.; 19840 Pioneer Ave.; Torrance, CA 90503; 310-793-0600, 800-545-7677 or 310-793-0601 (fax)

Algebra Concepts
Terminology and basic concepts
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$59.95 retail; School version
$99.95 retail; Lab pack (five)
$149.95 retail; Lab pack (10)
$299.95 retail; Network version (one server, up to 30 stations)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

Algebra I HomeworkTutor
Step-by-step help with student's Algebra homework
Macintosh Plus or larger; 1 MB of RAM.
$79.95 retail
$350 retail; lab pack of five
$595 retail; room license
$695 retail; site license
Missing Link Software; 718 Pitney Dr.; Spring Lake Heights, NJ 07762; 800-222-9296

■ **Algebraic Patterns**
Learn relationships between numbers; grades 8 to 12
Macintosh II or larger; 1 MB of RAM; System 6.0.7 or later.
Algebraic Patterns is a tool to uncover and test relationships between numbers. It helps students make the transition from arithmetic to algebra. Students collect numerical samples, assign variables and test their conjectures. Finding various relations between the numbers on a table and formulating the relationships in mathematical terms is the goal for the students.
$129 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

The Algebraic Proposer
Tool for creating models
Macintosh Plus or larger.
$79.95 retail
True BASIC, Inc.; 12 Commerce Ave.; West Lebanon, NH 03784; 800-436-2111

Alice In Wonderland CD
Classic tale
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

All About Science
Science topics; grades 5 to college
Macintosh Plus or larger; CD-ROM drive.
$395 retail; All About Science
$495 retail; All About Science II
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

All My Hummingbirds Have Alibis, By Morton Subotnick
Music CD-ROM
Macintosh LC or larger; 4 MB of RAM (5 MB with System 7); 13-inch color or gray-scale monitor; System 6.0.7 or later; CD-ROM drive; speakers or headphones.
$39.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

All The Right Type
Teaches keyboarding skills; grades 4 to 12
Macintosh Plus or larger; System 4.1 or later.
$79 retail; school edition
$159 retail; lab pack
$550 retail; site license
Didatech Software Ltd.; 4250 Dawson St., Ste. 200; Burnaby, BC, Canada V5C 4B1; 604-299-4435, 800-665-0667 or 604-299-2428 (fax)

AmandaStories, By Amanda Goodenough
Children's stories
Macintosh LC or larger; 3 MB of RAM; hard disk drive; 13-inch color monitor (16-color or higher); CD-ROM drive; System 6.0.5 or later; speakers or headphones.
$24.95 each retail; four floppy disks
$59.95 retail; four volumes on one CD-ROM
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

Amazing Animation
Interactive, multimedia creativity tool
Macintosh Classic II or larger; 4 MB of RAM; System 6.0.7 or later; color monitor.
$69 retail
Claris Clear Choice; 5201 Patrick Henry Dr.; PO Box 58168; Santa Clara, CA 95052; 408-987-7000, 800-325-2747 or 415-513-0985 (fax)

Amazing Universe CD-ROM
Explore the universe
Macintosh LC or larger; 2 MB of RAM; color monitor and hard disk drive preferred; System 7.0 or later; CD-ROM drive.
$79.95 retail
Hopkins Technology; 421 Hazel Ln.; Hopkins, MN 55343; 612-931-9376, 800-397-9211 or 612-931-9377 (fax)

The Amazon Rainforest: A Sierra Club Electronic Guide
Explore the tropical rainforest
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 12- or 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

The Amazon Trail
Social Studies; ages 10 to adults
Macintosh LC or larger; 2 MB of RAM (4 MB with System 7); hard disk drive; color monitor; System 6.0.7 or later.
$59.95 retail
MECC; 6160 Summit Dr. N; Minneapolis, MN 55430; 612-569-1500, ext. 529, 800-685-6322, ext. 529 or 612-569-1551 (fax)

American Journals Series
Interactive social studies
Macintosh Plus or larger; 2 MB of RAM; HyperCard 2.0 or later.
$69.95 each retail; Columbus, Lewis & Clark or The Alamo
$170 retail; all three programs (includes teacher guide and site license)
K-12 MicroMedia Publishing, Inc.; 6 Arrow Rd.; Ramsey, NJ 07446; 201-825-8888, 800-292-1997 or 201-825-0582 (fax)

American Revolution
Examine the Revolution on CD-ROM
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM drive.
$75 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

American Vista Atlas
Atlas of the United States
Color Macintosh; 13-inch monitor; 500K VRAM; System 7.0 or later; CD-ROM drive.
$59.95 retail
Applied Optical Media Corp.; 1450 Boot Rd., Bldg. 400; West Chester, PA 19380; 215-429-3701, 800-321-7259 or 215-429-3810 (fax)

Americans In Space
Comprehensive guide to American space exploration
Macintosh II or larger; 4 MB of free RAM; 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$59.95 retail
Multicom Publishing, Inc.; 1100 Olive Way, Ste. 1250; Seattle, WA 98101; 206-622-5530 or 206-622-4380 (fax)

Anatomist: A Human Anatomy CD-ROM 2.2
Reference to explore the details of human anatomy
Macintosh Plus or larger; 4 MB of RAM; CD-ROM drive.
$295 U.S. retail
Folkstone Design Inc.; Box 44; Grantham's Landing, BC, Canada V0N 1X0; 604-886-4502 or 604-886-4513 (fax)

Anatomy & Anesthesia Of The Mandibular Nerve
Multimedia accelerated learning
Macintosh with 68030 processor or larger; 4 MB of RAM; color monitor; CD-ROM drive; System 7.0 or later.
$245 retail; individual
$599 retail; institutional
SilverPlatter Education, Inc.; 100 River Ridge Dr.; Norwood, MA 02062; 617-769-2599, 800-343-0064 or 617-769-8763 (fax)

Anatomy Helper-Brain
Displays high-resolution human brain sections
Macintosh 512K or larger.
$49.95 retail
Chariot Software Group; 3659 India St., Ste. 100; San Diego, CA 92103; 619-298-0202, 800-242-7468 or 619-491-0021 (fax)

Anatomy Of A Fish
External, internal and skeletal structures
Macintosh LC or larger; 2 MB of RAM, System 6.07 or later.
$59.95 retail; School version
$99.95 retail; Lab pack (five)
$149.95 retail; Lab pack (10)
$299.95 retail; Network version (one server, up to 30 stations)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

Anatomy Of A Shark
External, internal and skeletal structures
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$59.95 retail; School version
$99.95 retail; Lab pack (five)
$149.95 retail; Lab pack (10)
$299.95 retail; Network version (one server, up to 30 stations)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

Anatomy Of Music
Music; grades 5 and up
Macintosh Plus or larger; CD-ROM drive.
$179.95 retail
Tom Snyder Productions, Inc.; 80 Coolidge Hill Rd.; Watertown, MA 02172; 617-926-6000, 800-342-0236 or 617-926-6222 (fax)

Ancient Egypt, Middle East & Greece
Students learn about social, political and religious institutions and daily life
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM drive.
$195 retail; Anciet Egypt and the Middle East
$195 retail; Ancient Greece
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Angkor Wat: A Royal Geographical Society Electronic Guide
Discover the overgrown ancient capital of the Khmers
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 12- or 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

Animal Alphabet
Explore the world of letters and words
Macintosh LC or larger; System 6.0.7 or later; CD-ROM drive.
$39.95 retail

Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Animals With An Attitude
Fun, creative writing for students
Macintosh LC or larger; 2 MB of RAM; color monitor.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Animated Relativity
Introduction to Einstein's theory of relativity
Macintosh II or larger; 2 MB of RAM; 13-inch color monitor; System 6.0.7 or later.
$199 retail
The Multimedia Library; 37 Washington Sq. W, Ste. 4-D; New York, NY 10011; 212-674-1958 (phone/fax) or 800-362-4978

Annabel's Dream Of Ancient Egypt
Children's story
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive.
$85 retail; school version
$39.95 retail; home version
Texas Caviar, Inc.; 3933 Steck Ave., Ste. B-115; Austin, TX 78759; 512-346-7887 or 512-346-1393 (fax)

Annabel's Dream Of Medieval England
Further adventures of Annabel the cat
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive; stereo speakers or headphones.
$89.95 retail; school version
$39.95 retail; home version
Texas Caviar, Inc.; 3933 Steck Ave., Ste. B-115; Austin, TX 78759; 512-346-7887 or 512-346-1393 (fax)

Antonin Dvoràk: Symphony No. 9 "From the New World"
Magnificent symphony
Macintosh with 68030/16 MHz recommended; 3 MB of RAM; 13-inch color monitor; System 7.0 or later; CD-ROM drive (double speed recommended); speakers or headphone recommended.
$79.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

AnuGraph 2.1
Powerful tool for drawing and analyzing graphs of mathematical functions
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.5 or later.
$95 retail; single copy
$449 retail; site license
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

Apprenez Le Français Avec le fils d' Astérix
Provide French study
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$149 per disc U.S. retail; two-disc series
EuroTalk Ltd.; 315/317 New Kings Rd.; London, England SW6 4RF; +44-71-371-7711 or +44-71-736-6447 (fax)

■ **Archibald's Guide To The Mysteries Of Ancient Egypt**
Children learn about Egypt and hieroglyphics
Any color Macintosh; 4 MB of RAM; hard disk drive; System 7 or later; CD-ROM drive.

Join Archibald in an adventure back in time to Egypt in 2500 BC. Archibald, son of a British explorer, describes the world of the great pharoah kings during the height of Egypt's ancient civilzation. Listen as he unfolds the myth of King Osiris, and explains exactly how and why the Egyptians preserved mummies to last throughout eternity. Next Archibald leads the adventure deep inside a pyramid and uncovers hieroglyohics, the ancient language of Egypt. Kids learn from Archibald that hieroglphics are not letters at all — they're actually sounds. He teaches the sound of each symbol, how to pronounce words and how to write messages with his special Egyptian tablet. This interactive, animated story is intuitive to use. It will spur the imagination of young and old alike as Archibald leads his expedition to the land of the pharaohs.
$39.95 retail
Swfte International, Ltd.; 722 Yorklyn Rd.; Hockessin, DE 19707; 302-234-1740, 800-237-9383 or 302-234-1760 (fax)

Aritho
Math adventure game
Macintosh Plus or larger; HyperCard 2.0v2 or later.
$15 retail
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

Arthur's Teacher Trouble
Living Book
Macintosh LC or larger; 4 MB of RAM; 8-bit color card; CD-ROM drive; System 6.0.7 or later.
$50 to $60 retail
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

Astonishing Asia
Explore the hidden and forbidden corners of Asia
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$49.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

Atlas Explorer
Word geography drill and practice program
Macintosh Plus or larger; 1 MB of RAM; 800K disk drive or hard disk drive.
$49.95 retail
Springboard Educational Software; A Division of Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0908, 800-232-2224 or 203-336-2481 (fax)

Atlas Of U.S. Presidents
Portraits, searchable facts and biographies
Color Macintosh; 13-inch monitor; 500K VRAM; System 7.0 or later; CD-ROM drive.
$39.95 retail
Applied Optical Media Corp.; 1450 Boot Rd., Bldg. 400; West Chester, PA 19380; 215-429-3701, 800-321-7259 or 215-429-3810 (fax)

Audio-Visual Concentration
Adds note recognition to the game Concentration
Macintosh Plus or larger; 1 MB of available RAM; HyperCard 2.0.
$24.95 retail; a free demo version can be downloaded from America Online HyperCard Forum's Software library
Serendipity Software Co.; PO Box 332; Bodega, CA 94922; 707-876-9840 (phone/fax)

Aural Skills Trainer
Helps develop tonal memory skills (ear training)
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI optional (MIDI interface, MIDI-compatible keyboard).
$99.95 retail
$500 retail; network license
$700 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Autoskill Mathematics Program
Promotes the acquisition of skills necessary for the mastery of mathematics in an easy-to-learn manner
Macintosh Plus or larger; 4 MB of RAM; 40 MB hard disk drive; System 7.0 or later.
Call for pricing; available in single programs and network
Autoskill International Inc.; Lesley Dort, Mktg. & PR Mgr.; 331 Cooper St., Ste. 201; Ottawa, Ontario, Canada K2P 0G5; 613-235-6740 or 613-235-2818 (fax)

Autoskill Reading Program
Promotes the acquisition of skills needed for the mastery of reading
Macintosh Plus or larger; 4 MB of RAM; 40 MB hard disk drive; System 7.0 or later.
Call for pricing; available in single programs and network
Autoskill International Inc.; Lesley Dort, Mktg. & PR Mgr.; 331 Cooper St., Ste. 201; Ottawa, Ontario, Canada K2P 0G5; 613-235-6740 or 613-235-2818 (fax)

The Baby File: Conception To Birth
Comprehensive guide to pregnancy and preparing for the arrival of a new baby
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$59.95 U.S. retail
EuroTalk Ltd.; 315/317 New Kings Rd.; London, England SW6 4RF; +44-71-371-7711 or +44-71-736-6447 (fax)

Bachelor Explorer
College and major education
Macintosh Plus or larger; 1 MB of RAM (2.6 MB for color, 4 MB for System 7); hard disk drive; System 6.0.5 or later.
$59.95 retail
Insearch; PO Box 14337; Albuquerque, NM 87191; 505-275-8081 or 800-883-0123

The Backyard
Children ages 3 to 6 discover buried treasure and grow pumpkins from seed by watering an electronic garden
Macintosh Plus or larger.
$34.95 approximate retail
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

Bailey's Book House
Pre-reading program; ages 2 to 6
Macintosh Plus or larger; 1 MB of RAM (2 MB for color; 4 MB for System 7); hard disk drive; System 6.0.7 or later; TouchWindow and printer optional.
$49.95 retail
$64.95 retail; Education Version
Edmark Corp.; 6727 185th Ave. NE; PO Box 3218; Redmond, WA 98073; 206-556-8484 or 206-556-8998 (fax)

Bake & Taste
Language arts and math; grade 3 to adult
Macintosh Plus or larger; 1 MB of RAM (2 MB for color); hard disk drive recommended; System 6.0 or later.
$69.99 retail
$185 retail; lab pack (six)
$499 retail; network
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

Ballooning
Trigonometry, vectors and flying; grades 8 to 12
Macintosh Plus or larger; 1 MB of RAM; 800K disk drive; Color monitor.
$79 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Bank Street Writer For The Macintosh
Language arts/word processing; grades 3 to 12
Macintosh Plus or larger; 1 MB of RAM.
$99.95 retail
Scholastic Software; 555 Broadway; New York, NY 10012; 800-541-5513 or 314-635-5881 (fax)

Baseball's Greatest Hits, By Jeff Kisseloff
Users relive 65 of baseball's most thrilling moments
Macintosh LC or larger; 3 MB of RAM; 12-inch or larger color monitor; CD-ROM drive; HyperCard 2.1 or later; System 6.0.7 or later; QuickTime; speakers or headphones recommended.
$59.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

Basic Learning System
Reading, mathematics and language arts; grades K to 8
Networked Macintosh LC or larger; hard disk drive.
Call for pricing
Jostens Learning Corp.; 6170 Cornerstone Ct. E; San Diego, CA 92121; 619-587-0087, 800-521-8538 or 619-587-1629 (fax)

Basic Math Competency Skill Building
Math skills
Macintosh Classic or larger; 2 MB of RAM (4 MB with System 7).
$59.95 each retail
$369 retail; complete set
Educational Activities, Inc.; PO Box 392; Freeport, NY 11520; 516-223-4666, 800-645-3739 or 516-623-9282 (fax)

Beaker V2.1: An Expert System For The Organic Chemistry Student
Helps students study and solve problems in organic chemistry
Macintosh Plus or larger; one 800K disk drive.
$43.25 retail; site licenses and academic discounts available
Brooks/Cole Publishing Co.; 511 Forest Lodge Rd.; Pacific Grove, CA 93950; 408-373-0728, 800-354-9706 or 408-375-6414 (fax)

Bear Essentials
Teaches children how to count
Macintosh Plus or larger; HyperCard; System 6.0.7 or later.
$19.95 retail
Master Software; 20618 Cypress Way; Lynnwood, WA 98036; 206-672-8708 or 206-776-7171 (fax)

Beauty And The Beast
A timeless fairy tale comes to life
Macintosh LC or larger; 2 MB of RAM; CD-ROM drive.
$69 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

Beauty And The Beast & The Little Mermaid
Write, illustrate and publish with these classic children's tales
Macintosh Plus or larger; 1 MB of RAM (2 MB for color).
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Beethoven's 5th — The Multimedia Symphony
Multimedia production
Macintosh II or larger; 2.5 MB of RAM; 12-inch or larger color monitor; System 6.0.7 or later; speakers; headphones; CD-ROM drive.
$59.95 retail
Interactive Publishing Corp.; 300 Airport Executive Park; Spring Valley, NY 10977; 914-426-0400 or 914-426-2606

Berkeley Boxer For The Macintosh
Multipurpose computational medium
Macintosh II or larger; 32 MB of RAM; System 7.0 or later.
$250 retail; academic end-user license
$500 retail; commercial end user
Office of Technology Licensing; University of California, Berkeley; 2150 Shattuck Ave., Ste. 510; Berkeley, CA 94704; 510-643-7201 or 510-642-4566 (fax)

Berlitz Think & Talk
Foreign-language software packages
Macintosh LC or larger; CD-ROM drive.
$199 retail
HyperGlot Software Co., Inc.; PO Box 10746; Knoxville, TN 37939; 615-558-8270, 800-726-5087 or 615-588-6569 (fax)

The Best Literature Workbook Ever
Comprehensive survey of literature; grades 4 to 12
Macintosh Plus or larger; CD-ROM drive.
$195 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Better Plants And Gardens
Botany, biology and agricultural courseware series
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
Call for pricing
EduSelf/Tech Pubs Hal, Inc.; 82 Park Ave.; Rutherford, NJ 07070; 201-507-0030 or 201-507-0192 (fax)

Beyond The Wall Of Stars
Multimedia adventure story that lets users direct the future to save the Planet Celadon
Macintosh Plus or larger; 2 MB of RAM; color display requires 8-bit color, 32-bit QuickDraw and color monitor; System 6.0.5 or later; CD-ROM drive.
$49.99 retail
Creative Multimedia; 513 NW 13th Ave., Ste. 400; Portland, OR 97209; 503-241-4351, 800-854-9126 or 503-241-4370 (fax)

Biblical Hebrew Grammar
Used for lectures, text and teaching aids
Macintosh 512KE or larger; Microsoft Word; MacHebrew, LaserHebrew or MacGreek Hebrew & Phonetics.
$49.95 retail
Linguist's Software; PO Box 580; Edmonds, WA 98020; 206-775-1130 or 206-771-5911 (fax)

Big Anthony's Mixed-Up Magic
Interactive adventure; ages 5 to 10
Macintosh LC II or larger; 4 MB of RAM; hard disk drive; 32-bit QuickDraw; 256-color monitor; headphones or speakers; System 6.0.7 or later; CD-ROM drive.
$49.95 retail
Putnam New Media; 11490 Commerce Park Dr., Ste. 130; Reston, VA 22091; 703-860-3375 or 703-860-3620 (fax)

Big Book Maker: Cute and Cuddly
Writing storybooks for young authors
Macintosh LC or larger; 2 MB of RAM; color monitor.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Big Book Maker: Favorite Fairy Tales
Enables users to create customized stories
Macintosh Plus or larger; 1 MB of RAM (2 MB for color).
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Big Book Maker: Feeling Good About Yourself
Lets students express themselves with words and pictures
Macintosh Plus or larger; 1 MB of RAM (2 MB for color).
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Big Book Maker: Letters, Numbers & Shapes
Teacher's tool for creating bulletin boards, big books, worksheets and more
Macintosh Plus or larger; 1 MB of RAM (2 MB for color).
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Big Book Maker: Myths and Legends
Creative writing
Macintosh LC or larger; 2 MB of RAM; color monitor.
$59.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Big Book Maker: Rain Forest
Students learn about this threatened environment
Macintosh LC or larger; 2 MB of RAM; color monitor.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Big Book Maker: Tall Tales & American Folk Heroes
Motivates creative writing skills
Macintosh Plus or larger; 1 MB of RAM (2 MB for color).
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Big Book Maker: The Three Princesses
Snow White, Cinderella and Sleeping Beauty; allows users to create and publish their own tales
Macintosh Plus or larger; 1 MB of RAM (2 MB for color).
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

The Big Green Disc
Interactive documentary
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$69 retail
Media Design Interactive; The Old Hop Kiln; 1 Long Garden Walk; Farnham, Surrey GU9 7HP U.K.; 011-44-252-737630 or 011-44-252-710948 (fax)

Biological Age
Multimedia accelerated learning
Macintosh with 68030 processor or larger; 4 MB of RAM; color monitor; CD-ROM drive; System 7.0 or later.
$245 retail; individual
$599 retail; institutional
SilverPlatter Education, Inc.; 100 River Ridge Dr.; Norwood, MA 02062; 617-769-2599, 800-343-0064 or 617-769-8763 (fax)

Biology Tutor
Biology; grade 9 to adult
Macintosh Plus or larger; hard disk drive recommended; System 6.0 or later.
$349 retail; $769 lab pack (six); $999 network; Package 1
$399 retail; $999 lab pack (six); $1,199 network; Package 2
$249 retail; $590 lab pack (six); $699 network; Package 3
$899 retail; $2,239 lab pack (six); $2,749 network; Series
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

Black American History-Slavery To Civil Rights
A unique historical program
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM drive.
$295 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Blocks Microworld
Mathematical microworld to help students conceptualize the base-ten numeration system; grades 3 to 12
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 4.2 or later.
$69 retail; single copy
$299 retail; site license
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

The Blue Whale: A Sierra Club Electronic Guide
Trace the evolution of the largest ever living mammal
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 12- or 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

Boardmaker
Can be used to make communication boards and overlays; includes 3,000 Picture Communication Symbols
Macintosh Plus or larger; 4 MB of RAM; 6 MB of hard disk drive space (16 MB for color libraries).
$399 retail

Mayer-Johnson Co.; PO Box 1579; Solana Beach, CA 92075; 619-550-0084 or 619-550-0449 (fax)

Boars Tell Time
Children learn to tell time, grades 1 to 3
Macintosh LC or larger; 2 MB of RAM; color monitor.
$39.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Bodymapper
Teach measurement and graphing skills as children learn about themselves; grades 3 to 6
Macintosh Plus or larger; 2 MB of RAM; HyperCard 2.0 or later; System 6.0.5 or later.
$65 retail; single copy
$299 retail; site license
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

BodyScope
Discovery-learning science; grades 3 to 8
Macintosh LC or larger; 2 MB of RAM; hard disk drive; System 6.0.7 or later.
$69 retail
MECC; 6160 Summit Dr. N; Minneapolis, MN 55430; 612-569-1500, ext. 529, 800-685-6322, ext. 529 or 612-569-1551 (fax)

■ **BodyWorks 3.0: An Adventure In Anatomy**
Colorful, comprehensive graphics guide to the human body
Macintosh II or larger; 4 MB of RAM; System 6.0.7 or later; 256-color monitor; hard disk drive.
The human body is the ultimate machine, and now users can explore its systems, structures and functions in fascinating detail with BodyWorks. Colorful, comprehensive computer graphics guide users on a journey through the body. With its vast database, BodyWorks lets users examine exploded views or cutaways that reveal even the most elaborate cell level detail. QuickTime movies bring the intricate functions of the body to life, and with PlainTalk sound suport, users can hear the entire text of the program.
$69.95 retail
Software Marketing Corp.; 9830 S. 51st St., Ste. A-131; Phoenix, AZ 85044; 602-893-3377, 800-545-6626 or 602-893-2042 (fax)

Botanical Gardens
Students experiment with the growth of plants while varying the environmental conditions; grades 6 to adult
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; color monitor recommended.
$79 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Bounce!
Introduction to patterns; grades K to 8
Macintosh Plus or larger; 1 MB of RAM; hard disk drive or two 800K disk drives.
$79 retail
$475 retail; network version (site license available)
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Bravo! Books
Engaging stories on CD-ROM; grades K to 2
Macintosh LC or larger; 4 MB of RAM; color monitor; System 6.0.7 or later; CD-ROM drive.
$899 retail
Computer Curriculum Corp.; 1287 Lawrence Station Rd.; Sunnyvale, CA 94089; 800-858-3672 or 408-980-0609 (fax)

Brazil: An Exotic Journey
Lets users travel inside Brazil while learning about the country
Color Macintosh; 4 MB of RAM; 640 by 480 by 256 colors; System 6.0.7 or later; CD-ROM drive.
$49.95 retail
3D-ROM Multimedia Inc.; PO Box 578; Bellevue, WA 98009; 206-869-5907 or 206-867-0864 (fax)

Britain At Its Best
From courtly castles to country pubs, users can see the best of Britain
Macintosh LC or larger; 4 MB of RAM; color display; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
Compton's NewMedia, Inc.; 2320 Camino Vida Roble; Carlsbad, CA 92009; 619-929-2500 or 619-929-2511 (fax)

■ **Building Perspective**
Game of spatial perception; grades 4 to adult
Macintosh II or larger; 4 MB of RAM; color monitor required.
Building Perspective is a game of spatial perceptions where students must map the layout of a 3 by 3, 4 by 4 or 5 by 5 city block. Students can observe the block from each of its four sides to predict the top view. As they stretch their spatial ability, students learn to gather information, scan for clues and hints and look for patterns.
$79 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Building Reading Comprehension CD
Comprehensive collection of elementary through college reading programs
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later; CD-ROM drive.
$495 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Building Vocabulary Skills CD
Gain important vocabulary skills and achieve success on college entrance exams
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later; CD-ROM.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Business Week's Business Advantage
Business simulation for building better business skills
Macintosh 512KE or larger; two 800K drives; or one 800K drive and hard disk drive.
$99.95 retail
Strategic Management Group, Inc.; Learning Technologies Division; 3624 Market St.; Philadelphia, PA 19104; 215-387-4000, 800-445-7089 or 215-387-3653 (fax)

Butterflies Of The World — ZooGuides V.1
Secret habits and life history of these colorful insects
Macintosh LC or larger; 8-bit color monitor; System 6.0.7 or later; CD-ROM drive.
$59.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Cabri: The Interactive Geometry Notebook
Dynamic, interactive tool for exploring geometry
Macintosh Plus or larger; System 6.0.2 or later.
$97.25 retail; site licenses and academic discounts available
Brooks/Cole Publishing Co.; 511 Forest Lodge Rd.; Pacific Grove, CA 93950; 408-373-0728, 800-354-9706 or 408-375-6414 (fax)

The Caduceus Project
Integrated review of Physics, Chemistry, Biology and Organic Chemistry
Macintosh Plus or larger; 4 MB of RAM; Deluxe version requires 8-bit color.
$150 retail; standard
$250 retail; deluxe
Scientia Inc.; 657A Somerville Ave.; Somerville, MA 02143; 617-776-3427 (phone/fax) or 800-453-4725

Calculus
Mathematics
Macintosh 512K or larger.
$89.95 suggested retail
$99.95 retail; school edition
$199.95 retail; lab pack
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

Calculus T/L II
Program for doing and learning mathematics
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.
$75.75 retail; site licenses and academic discounts available
$25 retail; upgrade kit
Brooks/Cole Publishing Co.; 511 Forest Lodge Rd.; Pacific Grove, CA 93950; 408-373-0728, 800-354-9706 or 408-375-6414 (fax)

Canada GeoGraph II
Geography; grades 5 to adult
Macintosh LC or larger; 1.5 MB of RAM (4 MB for System 7); hard disk drive; color display; System 6.0.7 or later.
$59.95 retail
MECC; 6160 Summit Dr. N; Minneapolis, MN 55430; 612-569-1500, ext. 529, 800-685-6322, ext. 529 or 612-569-1551 (fax)

■ **Canada's Capital**
Tour Canada's capital; ages 7 to adult
Macintosh LC or larger; 4 MB of RAM; System 7.0 or later; color monitor; CD-ROM drive.
Canada's Capital is an anecdotal narration by Jean Pigott, former member of parliament. Users can tour Canada's capital and hear the stories behind the walls and the statues from 1860 until today. Discover how Ottawa grew from a lumber town to the heart of the nation in 125 years. Canada's Capital contains hundreds of high-quality photos for classroom presentations, music and folk songs, and users can read about the government's beginnings, the events and the people that shaped Canada. Canada's Capital features include: 300 information cards with pictures and movies; hundreds of glosssary entries; zoom button for full-screen picture viewing; bus tour button for slide show; hundreds of sound clips; online help and take notes buttons; and search engine. Users can grab more than 350 "copyright friendly" pictures, music and songs for classroom projects.
$69.95 retail
timebox inc.; PO Box 3060, Station D; Ottawa, Ontario, Canada K1P 6H6; 613-236-8969, 613-236-9232 (fax) or 908-782-5643 in U.S.

Career Finder
Occupational information
Macintosh Plus or larger; HyperCard 1.25 or 2.1.
$249 retail
Wintergreen/Orchard House; PO Box 15899; New Orleans, LA 70175; 800-321-9479 or 504-866-8710 (fax)

Career Opportunities
Helps individuals and students make career choices
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive.
$69.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A; Minneapolis, MN 55414; 612-379-3956 or 612-623-4570 (fax)

■ **The Cat Came Back**
Multimedia musical storybook in three languages; ages 7 to 10
Macintosh LC or larger; 4 MB of RAM; 8-bit color; speakers; microphone; CD-ROM drive.
The Cat Came Back, the second title in the I-learn Library of multisensory, multilingual education CD-ROM products, is a multimedia musical storybook in English, French and Spanish for children ages 7 to 10. Its objective is to teach as well as to entertain. Kids build real reading, writing and vocabulary skills in three languages as they have fun interacting with the story's listen-, read-, sing- and write-along modes. A total of 1,311 new nouns, verbs and adjectives are presented through quirky animation and pictorial definitions. Kids also have fun learning about other subject areas, such as music appreciation and geography.
$39.95 retail
Sanctuary Woods Multimedia Corp.; 1825 S. Grant St., Ste. 410; San Mateo, CA 94402; 415-578-6340 or 415-578-6344 (fax)

CAV-ASL
Computerized animated vocabulary of American Sign Language
Macintosh 512K or larger, except II; MacinTalk V6 or earlier (for talking version).
$695 retail; silent version
$995 retail; talking version
E&IS SignWare; PO Box 521; Cedar Falls, IA 50613; 319-266-7800 (fax)

CD ROM Bible
Entire Tanakh in Hebrew and English
Macintosh with 4 MB of RAM; hard disk drive; CD-ROM drive.
$39.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

CD-ROM "Birds Of Europe"
Multimedia information on European birds
Macintosh Classic or larger; 4 MB of RAM; System 7; CD-ROM player.
$149 U.S. retail
Expert-Center for Taxonomic Identification (ETI); University of Amsterdam; PO Box 4766; 1009 AT Amsterdam, The Netherlands; 31-20-525-7239 or 31-20-525-7238 (fax)

CD-ROM "Linnaeus Protist"
Multimedia information on microscopic animals and plants from the North Sea
Macintosh Plus or larger; 1 MB of RAM; HyperCard 2.x; CD-ROM player; System 7 for dithered display of gray pictures.
$32 U.S. retail
Expert-Center for Taxonomic Identification (ETI); University of Amsterdam; PO Box 4766; 1009 AT Amsterdam, The Netherlands; 31-20-525-7239 or 31-20-525-7238 (fax)

CD-ROM "North Eastern Atlantic & Mediterranean Fish"
Multimedia information on North Atlantic and Mediterranean fish
Macintosh Classic or larger; 4 MB of RAM; System 7; CD-ROM player.
$199 U.S. retail
Expert-Center for Taxonomic Identification (ETI); University of Amsterdam; PO Box 4766; 1009 AT Amsterdam, The Netherlands; 31-20-525-7239 or 31-20-525-7238 (fax)

CD-ROM "Pelagic Molluscs Of The World"
Multimedia information on all pelagic molluscs that occur in the sea
Macintosh Classic or larger; 4 MB of RAM; System 7; CD-ROM player.
$499 U.S. retail; available December 1993
Expert-Center for Taxonomic Identification (ETI); University of Amsterdam; PO Box 4766; 1009 AT Amsterdam, The Netherlands; 31-20-525-7239 or 31-20-525-7238 (fax)

CD-ROM "Turbellaria Of The World: A Guide To Families And Genera"
Multimedia information on all Turbellarian families and genera
Macintosh Classic or larger; 4 MB of RAM; System 7; CD-ROM player.
$99 U.S. retail; available December 1993
Expert-Center for Taxonomic Identification (ETI); University of Amsterdam; PO Box 4766; 1009 AT Amsterdam, The Netherlands; 31-20-525-7239 or 31-20-525-7238 (fax)

CD-ROM Judaic Classics Library
Education/reference
Macintosh Plus or larger; 4 MB of RAM; CD-ROM drive.
$49.95 retail; Limited Edition
$249 retail; Second Edition
$499 retail; Third Edition
$599 retail; Fourth Edition
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

Chaetognaths Of The World
Multimedia information on all arrow worms that occur in the seas
Macintosh Classic or larger; 4 MB of RAM; System 7.
$199 U.S. retail; available December 1993
Expert-Center for Taxonomic Identification (ETI); University of Amsterdam; PO Box 4766; 1009 AT Amsterdam, The Netherlands; 31-20-525-7239 or 31-20-525-7238 (fax)

Chartres Cathedral: A Royal Geographical Society Electronic Guide
Explore a monumental Gothic cathedral
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 12- or 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

Chemaid
Introduction to the periodic table
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$59.95 retail; School version
$99.95 retail; Lab pack (five)
$149.95 retail; Lab pack (10)
$299.95 retail; Network version (one server, up to 30 stations)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

■ **Chemical Bonding Series: Visualization Of The Abstract In Chemistry**
Animated simulations for chemistry concepts
Macintosh Plus or larger; 4 MB of RAM; System 6.0.7 or later; QuickTime 1.6.1; color monitor; CD-ROM drive.
Chemical Bonding Series: Visualization of the Abstract in Chemistry is a series that provides an outstanding introduction to principles of scientific visualization for beginning and advanced chemistry students. Each of the six modules in the series provides an indepth look at an essential chemistry topic. Topics include: atomic orbitals, atomic spectra and structure; chemical bonding; Lewis structures; the VSEPR Theory; and the periodic table. All modules contain the following features: quality animation and graphics enhance the highly-interactive, easy-to-use interface; narration and high-quality sound effects confirm operations and actions; bold-faced words in the text are hypertextually linked to the glossary; quiz questions allow students to check their progress and a continuously-updated map keeps users informed as to their current location; and immediately available screens. Individual titles in the Chemical Bonding Series are available on diskette, and the entire series is available on CD-ROM. These user-friendly modules enable students to gain familiarity with difficult concepts and build a strong foundation for the understanding of modern chemistry.
$55 per module retail
$249 retail; site license
$149 retail; CD-ROM series
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

Chemistry Tutor
Chemistry; grade 9 to adult
Macintosh Plus or larger; hard disk drive recommended; System 6.0 or later.
$429 each retail
$999 retail; lab pack (six)
$1,199 retail; network
$799 retail; $1,899 lab pack; $2,249 network; Series
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

Children's Treasury CD
Stories, nursery rhymes and songs; pre-school to grade 2
Macintosh LC or larger; 2 MB of RAM; color monitor; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

■ **China: Home Of The Dragon CD-ROM**
Research China
Macintosh II or larger; System 6.0.7 or later; 2 MB of RAM (4 MB for System 7); 256-color monitor; CD-ROM drive.
China: Home of the Dragon is designed as an inexpensive yet thorough research tool for students and browsers alike. The CD is divided into sections and subsections accessible from an easy-to-read control panel. China: Home of the Dragon is packed with hundreds of color photographs and maps, hours of narration and informative text, and even simple conversational Chinese. Included are: History (600 AD to present); Geography (Northern, Western, Southern China); Peoples & Languages (ethnic groups, urban/rural life, religion, language, family life); and Art & Culture (theater/music, painting, architecture, pottery).
$29 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

Choices
Interactive career exploration and information program for high school students
Macintosh Plus or larger; hard disk drive; System 6.0.2 or later; printer.
$985 per year retail; based on a three-year license agreement
Careerware — ISM; 810 Proctor Ave.; Industrial Park Bldg. #3; Ogdensburg, NY 13669; 800-267-1544 or 613-235-4594 (fax)

Choices CT
Career development program
Macintosh Plus or larger; hard disk drive; System 6.0.2 or later; printer.
$1,100 retail; based on a three-year license agreement
Careerware — ISM; 810 Proctor Ave.; Industrial Park Bldg. #3; Ogdensburg, NY 13669; 800-267-1544 or 613-235-4594 (fax)

Choices Jr
Career exploration program for middle school students
Macintosh Plus or larger; hard disk drive with 1.1 MB of free space; System 6.0.2 or later; printer.
$395 retail; one-time license fee
Careerware — ISM; 810 Proctor Ave.; Industrial Park Bldg. #3; Ogdensburg, NY 13669; 800-267-1544 or 613-235-4594 (fax)

Choices, Choices
Problem solving; grades K to 5
Macintosh Plus or larger; 1 MB of RAM.
$99.95 each retail; On The Playground or Taking Responsibility
Tom Snyder Productions, Inc.; 80 Coolidge Hill Rd.; Watertown, MA 02172; 617-926-6000, 800-342-0236 or 617-926-6222 (fax)

The Christmas CD
Collection of favorite Christmas stories
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Christmas Pack
Games and puzzles
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.
$59.95 retail; floppy disk or CD-ROM version
Nordic Software, Inc.; PO Box 6007; Lincoln, NE 68506; 402-488-5086 or 402-488-2914 (fax)

The Chronicles Of Old England
The Dark Ages on disk
Macintosh Plus or larger.
$75 retail
The Flexible Learning Co.; 15 Longpoles Rd.; Cranleigh, Surrey, England GU6 7JZ; (0) 483-277020

Chronos
Timeline system
Macintosh Plus or larger.
$150 retail
Imaja; PO Box 6386; Albany, CA 94706; 510-526-4621, 800-294-6252 or 510-559-9571 (fax)

Chronoscope
Students become explorers; social studies and history
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; videodisc player; TV or video monitor.
$595 retail
Optical Data Corp.; 30 Technology Dr.; Warren, NJ 07059; 908-668-0022 or 800-524-2481

CIA World Factbook
World almanac of facts and figures
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive.
$49.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A; Minneapolis, MN 55414; 612-379-3956 or 612-623-4570 (fax)

Cinderella
Interactive story; ages 9 and up; English/Spanish
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive; System 6.0.4 or later.
$29.94 retail$35.95 retail; Classroom Edition
$155 Lab Pack (five discs)
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

Cinema Volta, By Jim Petrillo
A reverie about electricity and its transforming power
Macintosh with 68030/16 MHz recommended; 3 MB of RAM; 13-inch color monitor; System 7.0 or later; CD-ROM drive (double speed recommended); speakers or headphone recommended.
$49.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

Circletime Tales
Introduces pre-readers to literacy
Macintosh LC or larger; 4 MB of RAM (2.5 MB for Circletime Times); 256-color monitor; System 6.0.7 or later; 10 MB of free hard disk space; hard disk drive.
$95 retail
Don Johnston, Inc.; 1000 N. Rand Rd., Bldg. 115; PO Box 639; Wauconda, IL 60084; 708-526-2682, 800-999-4660 or 708-526-4177 (fax)

Claire
Music education software
Macintosh with 68020 or larger processor; 2 MB of RAM; 6 MB of free hard disk space; built-in or external digitizer; System 7.0 or later.
$129.95 retail
Opcode Systems, Inc.; 3950 Fabian Way, Ste. 100; Palo Alto, CA 94303; 415-856-3333 or 415-856-3332 (fax)

Class Room
Education
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; CD-ROM drive.
$19.95 each retail; Kids Room, Study Room or R3 Room
$39.95 retail; Class Room (all three)
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

ClassWriter
Multipurpose tools for collaborative writing; grades 6 to college level
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.5 or later; AppleTalk network for network use.
$65 retail; single copy
$299 retail; site license for network
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

Clef Notes
Note reading
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$59.95 retail
$300 retail; network license
$420 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Cliffs StudyWare Course Reviews
StudyWare for biology, calculus, economics, statistics, chemistry and physics
Macintosh Plus or larger; 800K disk drive.
$39.95 each retail
Cliffs StudyWare; PO Box 80728; Lincoln, NE 68501; 402-423-5050, 800-228-4078 or 402-423-9254 (fax)

Cliffs StudyWare Test Preparations
StudyWare for the SAT, ACT, GRE, GMAT, LSAT and CBEST
Macintosh Plus or larger; 800K disk drive.
$49.95 each retail
$59.95 retail; StudyWare for the LSAT
Network and site licenses are available
Cliffs StudyWare; PO Box 80728; Lincoln, NE 68501; 402-423-5050, 800-228-4078 or 402-423-9254 (fax)

Clinton: Portrait of Victory
An intimate look at a journey
Color Macintosh; 4 MB of RAM; 13-inch monitor; System 6.0.7 or later; CD-ROM drive.
$39.99 retail
Time Warner Interactive; 2210 W. Olive Ave.; Burbank, CA 91506; 818-955-9999, 800-482-3766 or 818-955-6499 (fax)

Clip-Art For Math Teachers
Detailed diagrams
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later; paint program.
$39.95 retail; School version
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

Clip-Art For Science Teachers
Detailed diagrams
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$39.95 retail; School version
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

■ Clock
Learn digital and analog time; grades 1 to 5
Macintosh LC or larger; 2.5 MB of free RAM; 12-inch or larger color monitor.
Clock teaches the relationship between digital time and "clock" time by means of a graphic clock. Users can move the hands clockwise and counterclockwise to set the clock to the time that is shown. Three types of lessons are included, covering every aspect of telling time. Clock features interesting clock faces in color, music and an option to let the computer or a recorded human voice read the problems to add excitement. All functions are activated by clicking easily recognized icons on the screen. Clock helps users understand the relationship between digital and analog time, and gives practice in using time phrases.
$69.95 retail
Hartley Courseware; 3451 Dunckel Rd., Ste. 200; Lansing, MI 48911; 517-394-8500, 800-247-1380 or 517-394-9899 (fax)

Clock Shop
Takes children on colorful, animated adventure in time; ages 5 to 12
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later; hardi disk dirve.
$57.95 retail
Nordic Software, Inc.; PO Box 6007; Lincoln, NE 68506; 402-488-5086 or 402-488-2914 (fax)

Coate's Art Review — Impressionism
Images of impressionist artworks and the artists
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive.
$79.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A; Minneapolis, MN 55414; 612-379-3956 or 612-623-4570 (fax)

Cochlear Anatomy
For students of biology, medicine and communications disorders
Macintosh SE or larger; 2 MB of RAM; hard disk drive; HyperCard 1.2 or later.
$49.95 retail
Chariot Software Group; 3659 India St., Ste. 100; San Diego, CA 92103; 619-298-0202, 800-242-7468 or 619-491-0021 (fax)

Code: Europe!
History, geography and social science; grades 4 and up
Macintosh Plus or larger; 1 MB of RAM; System 6.0.2 or later.
$59.95 retail
$129.95 retail; lab pack
$499.95 retail; network edition
$599.95 retail; site license
Compu-Teach, Inc.; 16541 Redmond Way, Ste. 137-C; Redmond, WA 98052; 800-448-3224 or 206-883-9169 (fax)

Coin Critters
Teaches children to recognize and use U.S. coins; ages 5 to 12
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later; hard disk drive.
$57.95 retail
Nordic Software, Inc.; PO Box 6007; Lincoln, NE 68506; 402-488-5086 or 402-488-2914 (fax)

Colorforms Computer Fun Set
Computer fun with Colorforms; ages 3 to 10
Any color Macintosh; 4 MB of RAM; hard disk drive; System 7.0 or later.
$49 retail
Gryphon Software Corp.; 7220 Trade St., Ste. 120; San Diego, CA 92121; 619-536-8815, 800-795-0981 or 619-536-8932 (fax)

Columbus Day By Day, Version 2
Chronological timeline of the achievements of Columbus; grades 3 to 12
Macintosh LC or larger; 4 MB of RAM; hard disk drive; System 7.0 or later; CD-ROM drive.
$124.95 U.S. retail
$299.95 U.S. retail; network version
timebox inc.; PO Box 3060, Station D; Ottawa, Ontario, Canada K1P 6H6; 613-236-8969, 613-236-9232 (fax) or 908-782-5643 in U.S.

Communication Board-Builder
Creates communication boards; includes 3,000 Picture Communication Symbols
Macintosh Plus or larger; 2 MB of RAM.
$169 retail
Mayer-Johnson Co.; PO Box 1579; Solana Beach, CA 92075; 619-550-0084 or 619-550-0449 (fax)

Comparative Anatomy
Simulates the dissection of the white rat; for high school science classes
Macintosh Plus or larger; 1 MB of RAM; HyperCard 2.0 or later.
$80 retail
Full Circle Media; 25 Valley View Ave.; San Rafael, CA 94901; 415-453-9989

The Complete Maus, By Art Spiegelman
Gripping graphic novel of Holocaust survival
Macintosh with 68030/25 MHz processor or larger; 5 MB of RAM; 13-inch color monitor; System 7.0 or later; CD-ROM drive (double speed recommended).
$59,95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

Comprehensive Review In Biology
Extensive review and practice in biology; high school and college
Macintosh Plus or larger; CD-ROM drive.
$295 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Compton's Interactive Encyclopedia For Macintosh
Encyclopedia; ages 8 to adult
Macintosh LC or larger; 4 MB of RAM; hard disk drive; color monitor recommended; System 6.0.7 or later; CD-ROM drive.
$149 retail

Compton's NewMedia, Inc.; 2320 Camino Vida Roble; Carlsbad, CA 92009; 619-929-2500 or 619-929-2511 (fax)

■ **Computer Carnival**
Educational games for ages 5 to 12
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later; hard disk drive.

Computer Carnival is a simple-to-use format of 12 classic games that will attract game enthusiasts of all ages. Users can challenge their skills and practice strategy as they enter each tent full of fun sounds and colorful animation. Users will tease their brain and enjoy skills-builders just like games that are played at the carnival. They can play against the computer or challenge a friend. Games include: Sink the Clown, Organ Grinder, Naval Battle, Monkey Do, Cages, Break Thru, Tic-Tac-Toe, Peg Plus, Magic Code, Duck Hunt, Tri-Peg and Head 4.
$39.95 retail
Nordic Software, Inc.; PO Box 6007; Lincoln, NE 68506; 402-488-5086 or 402-488-2914 (fax)

Computer Concepts
Introduces the fundamentals of computers
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$59.95 retail; School version
$99.95 retail; Lab pack (five)
$149.95 retail; Lab pack (10)
$299.95 retail; Network version (one server, up to 30 stations)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

Computer Review
Reviews introductory computer curriculum
Macintosh Plus or larger; hard disk drive; HyperCard 1.2.
$19.95 retail
Chariot Software Group; 3659 India St., Ste. 100; San Diego, CA 92103; 619-298-0202, 800-242-7468 or 619-491-0021 (fax)

Computerized Grammar Series
Foreign language instruction
Any Macintosh; hard disk drive.
$59.95 each retail; ESL French, German, Italian, Latin, Spanish Grammar Computerized I & II
$180 each retail; network version
$49.95 each retail; ESL French, German, Spanish Contests/Achievement Prep
Free catalog available
Lingo Fun, Inc.; PO Box 486; Westerville, OH 43081; 614-882-8258, 800-745-8258 or 614-882-2390 (fax)

Constitution Hall
A 200-year-old document that never ages; ages 12 to adult
Macintosh LC or larger; 2 MB of free RAM; 256-color display; System 7.0 or later; CD-ROM drive.
$59.95 retail
Westwind Media; RR #5, Box 5833; Lake Ariel, PA 18436; 717-937-3000, 800-937-8555 or 717-937-3200 (fax)

Coordinate Geometry
Introduces the Cartesian Plane
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$59.95 retail; School version
$99.95 retail; Lab pack (five)
$149.95 retail; Lab pack (10)
$299.95 retail; Network version (one server, up to 30 stations)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

Coral Kingdom
Science; grades 8 to college
Macintosh LC or larger; 4 MB of RAM; color monitor; CD-ROM drive.
$129 retail
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Core Reading And Vocabulary Development
Provides guided drill and practice in the core vocabularies
Macintosh Classic or larger; 2 MB of RAM (4 MB with System 7).
$79 to $159 retail; each unit
$675 retail; complete set
Educational Activities, Inc.; PO Box 392; Freeport, NY 11520; 516-223-4666, 800-645-3739 or 516-623-9282 (fax)

Cotton Tales
Introduces children (preschool to third grade) to word processing and desktop publishing
Macintosh Plus or larger; 1 MB of RAM (2 MB for color); hard disk drive recommended; System 6.0 or later.
$69.99 retail; Cotton Tales
$185 retail; lab pack (six)
$499 retail; network
$39.99 retail; Cotton Plus, expanded picture library
$105 retail; Cotton Plus lab pack (six)
$330 retail; Cotton Plus network
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

CountDown, By Margo Nanny & Robert Mohl
Math; ages 5 to 12
Macintosh LC or larger; 4 MB of RAM; 256-color monitor; System 6.0.7 or later; QuickTime-compatible CD-ROM drive.
$29.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

Countries Of The World Encyclopedia
Reference source
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive.
$395 retail
Bureau of Electronic Publishing, Inc.; 141 New Rd.; Parsippany, NJ 07054; 201-808-2700, 800-828-4766 or 201-808-2676 (fax)

■ **Cranial Nerve Atlas**
Anatomy and pathology of the cranial nerve system
Macintosh Plus or larger; 2 MB of RAM; 40 MB hard disk drive; System 6.0.4 or later.

The Cranial Nerve Atlas is a complete hypermedia program that teaches anatomy and pathology of the cranial nerve system to medical students, as well as giving resident radiologists, neuroradiology fellows and practicing radiologists a quick means to interpret MRI scans. The Cranial Nerve Atlas contains more than 200 high-resolution images, including multiplanar cryomicrotome sections, annotated line drawings and more than 100 pathologic cases with differential diagnoses. The Atlas is organized around each of the 12 cranial nerves. At any point in the program, users can select any of the 12 nerves to study. From that point, users can access any available information on that nerve. Most users will wish to focus on the set of pathologic cases. Each case presents a brief patient history with one or more MRI scans. Users can then continue in the program identifying lesions and generating a differential diagnosis. The real utility of the Atlas is where users can compare diagnosis and pathologic scan with the correct answers provided.
$50 retail; hard disk
$100 retail; 44 MB Syquest cartridge
Slice of Life; Eccles Health Sciences Library; University of Utah, Bldg. 589; Salt Lake City, UT 84112; 801-585-2737 or 801-585-2623 (fax)

Creepy Crawlies
Multimedia database of the animals children love to fear; ages 5 to 18
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$69 retail
Media Design Interactive; The Old Hop Kiln; 1 Long Garden Walk; Farnham, Surrey GU9 7HP U.K.; 011-44-252-737630 or 011-44-252-710948 (fax)

Crosscountry USA
Geographic literacy
Macintosh Plus or larger; System 4.1 or later.
$79 retail; school edition
$159 retail; lab packs
$595 retail; site license
Didatech Software Ltd.; 4250 Dawson St., Ste. 200; Burnaby, BC, Canada V5C 4B1; 604-299-4435, 800-665-0667 or 604-299-2428 (fax)

■ **CrossPuzzler**
Create crossword puzzles; grades 3 to 12
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.

CrossPuzzler is easy and automatic puzzle software. Users enter a list of words and their definitions and clues. CrossPuzzler does the rest. Users choose the size and typestyle. The program organizes and numbers the clues and prints out the puzzle for use as a quiz, an assignment or other handout.
$59 retail
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

Crossword Creator
Improves vocabulary and spelling
Macintosh Plus or larger.
$79.95 retail
Lifestyle Software Group; 63 Orange St.; St. Augustine, FL 32084; 904-825-0220, 800-289-1157 or 904-825-0223 (fax)

Crossword Creator
Creates crossword puzzles
Macintosh Plus or larger; 2 MB of RAM.
$79.95 retail
Centron Software, Inc.; 1500 Hwy. 15-501 N; Southern Pines, NC 28387; 910-692-2009, 800-848-2424 or 910-692-2173 (fax)

Crozzzwords
Puzzle game for playing and creating crossword puzzles
Macintosh Plus or larger; 1 MB of RAM (2 MB for color).
$64.99 retail
$155 retail; lab pack
$499 retail; network
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

The Cruncher
Talking, animated spreadsheet; ages 10 to adult
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 7.0 or later.
$59.95 retail
Davidson & Associates, Inc.; 19840 Pioneer Ave.; Torrance, CA 90503; 310-793-0600, 800-545-7677 or 310-793-0601 (fax)

Crystal Rain Forest
Environmental adventure using mathematics; ages 8 to 13
Macintosh with 2 MB of RAM; hard disk drive; color monitor highly recommended; System 7.0 or later.
$49.95 retail; home
$59.95 retail; teacher
$125 retail; five-pack
$250 retail; site license
Terrapin Software, Inc.; 400 Riverside St.; Portland, ME 04103; 207-878-8200, 800-972-8200 or 207-797-9235 (fax)

Culture 2.0, The Multimedia Guide To Western Civilization
Western culture and civilization
Macintosh Plus or larger; 2.5 MB of RAM; hard disk drive; HyperCard 2.0 or later.
$249 retail
$45 retail; workbook
Cultural Resources, Inc.; 30 Iroquois Rd.; Cranford, NJ 07016; 908-709-1574 or 908-709-1590 (fax)

Curious George Leans The Alphabet CD
Helps youngsters make the letter/object connection
Macintosh LC or larger; 2 MB of RAM; color monitor; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Cute 'N' Cuddlies
Multimedia guide to the creatures we love to love
Macintosh LC or larger; 4 MB of RAM; System 6.0.7 or later.
$69 retail
Media Design Interactive; The Old Hop Kiln; 1 Long Garden Walk; Farnham, Surrey GU9 7HP U.K.; 011-44-252-737630 or 011-44-252-710948 (fax)

■ Daisy's Castle
Adventure game that creates a foundation for reading; ages 4 to 7
Macintosh Plus or larger; 2 MB of RAM (2.5 MB for System 7); System 6.0.7 or later.
Daisy's Castle is an exciting, interactive adventure where children are guided through a medieval family castle by Oberon the wizard in search of Daisy the dragon's magical eggs. While gathering clues to find the eggs, children interactively practice and learn the essential pre-reading skill of awareness and recognition of sounds. Daisy's Castle features interactive tutorials, teaches sound awareness and recognition, covers counting sounds, teaches with spoken instructions, fabulous graphics and delightful characters.
$59.95 retail
Great Wave Software; 5353 Scotts Valley Dr.; Scotts Valley, CA 95066; 408-438-1990 or 408-438-7171 (fax)

DaisyQuest
Pre-reading program for young learners; ages 3 to 7, grades pre-K to 3
Macintosh Plus or larger; 2 MB of RAM (2.5 MB with System 7); hard disk drive with 4.4 MB of free space (5.8 MB free for color); System 6.0.8 or later.
$59.95 retail; Lab Packs and network versions are available
Great Wave Software; 5353 Scotts Valley Dr.; Scotts Valley, CA 95066; 408-438-1990 or 408-438-7171 (fax)

Dandy Dinosaurs — A Max The Dragon CD-Storybook
Exciting crafts from the child experts at Better Homes and Gardens; ages 3 to 9
Macintosh II or larger; 4 MB of free RAM; 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$59.95 retail
Multicom Publishing, Inc.; 1100 Olive Way, Ste. 1250; Seattle, WA 98101; 206-622-5530 or 206-622-4380 (fax)

Dasher Drills For Deutsch Heute
Exercises from the textbook "Deutsch heute"
Macintosh Plus or larger; 1 MB of RAM; two 800K disk drives or hard disk drive; System 6.0.5 or later.
$75 retail
$150 retail; Ed Pack 6
$250 retail; Ed Pack 15
$375 retail; Ed Pack 25
$450 retail; network
Conduit; The University of Iowa; 100 Oakdale Campus, M306 OH; Iowa City, IA 52242; 319-335-4100 or 800-365-9774

Data Models
Mathematical modeling tool; grades 9 to adult
Macintosh Plus or larger; 1 MB of RAM.
$129 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Database And Glossary
Botany, biology and agricultural courseware series
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$250 retail
EduSelf/Tech Pubs Hal, Inc.; 82 Park Ave.; Rutherford, NJ 07070; 201-507-0030 or 201-507-0192 (fax)

Davidson's Kid Keys
Musical animated typing tutor; ages 4 to 8
Macintosh Classic or larger; 2 MB of RAM with 1 MB free (4 MB with 2 MB free for color); hard disk drive with 9 MB of free space; high-density disk drive; System 6.0.7 or later.
$49.95 retail
Davidson & Associates, Inc.; 19840 Pioneer Ave.; Torrance, CA 90503; 310-793-0600, 800-545-7677 or 310-793-0601 (fax)

Davidson's Kid Works 2
Creativity kit that writes, paints and talks; ages 4 to 10
Macintosh Classic or larger; 4 MB of RAM with System 7.0; hard disk drive with 2 MB of free space; System 6.0.7 or later.
$59.95 retail
Davidson & Associates, Inc.; 19840 Pioneer Ave.; Torrance, CA 90503; 310-793-0600, 800-545-7677 or 310-793-0601 (fax)

Davidson's Zoo Keeper
Learning adventure where users help save the animals; ages 6 to adult
Macintosh LC or larger; 4 MB of RAM; 10 MB of free hard disk space; 256 colors; System 7.0 or later.
$59.95 retail
Davidson & Associates, Inc.; 19840 Pioneer Ave.; Torrance, CA 90503; 310-793-0600, 800-545-7677 or 310-793-0601 (fax)

Days Of Awe, Days Of Joy
Guide to the High Holidays and Sukkot
Macintosh Plus or larger; 4 MB of RAM (6 to 8 MB recommended); HyperCard 2; System 7.1 or later.
$39.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

Decimal & Fraction Maze
Math software program; ages 8 to adult
Macintosh Plus or larger.
$59.95 retail; Decimal & Fraction Maze Color (also supports black and white)
$89.95 retail; Decimal & Fraction Maze Spanish/English Version
Lab Packs and network versions are available
Great Wave Software; 5353 Scotts Valley Dr.; Scotts Valley, CA 95066; 408-438-1990 or 408-438-7171 (fax)

Decimal Dungeon
Mathematics; ages 9 and up
Macintosh 128K, 512K or SE/30; System 6.0.1 or earlier for black and white version. Macintosh LC or larger; System 6.0.7 or later for color version.
$49.95 retail; specify black and white or color version
Unicorn Software; 6000 S. Eastern Ave., Bldg. 9, Ste. A; Las Vegas, NV 89119; 702-597-0818 or 702-597-0008 (fax)

Decisions, Decisions
Simulation that blends role-playing, debate, decision making and critical thinking; grades 5 to 12
Macintosh Plus or larger; 1 MB of RAM.
$149.95 each retail
Tom Snyder Productions, Inc.; 80 Coolidge Hill Rd.; Watertown, MA 02172; 617-926-6000, 800-342-0236 or 617-926-6222 (fax)

Deductive Tableau
Fully functional theorem prover
Macintosh Plus or larger (SE recommended); hard disk drive.
$29 retail
Chariot Software Group; 3659 India St., Ste. 100; San Diego, CA 92103; 619-298-0202, 800-242-7468 or 619-491-0021 (fax)

Dental Development
Multimedia accelerated learning
Macintosh with 68030 processor or larger; 4 MB of RAM; color monitor; CD-ROM drive; System 7.0 or later.
$245 retail; individual
$599 retail; institutional
SilverPlatter Education, Inc.; 100 River Ridge Dr.; Norwood, MA 02062; 617-769-2599, 800-343-0064 or 617-769-8763 (fax)

■ Dermatology For Medical Students
Videodisc tutorial for 3rd and 4th-year medical students
Macintosh Plus or larger; 800K disk drive or 1.4 MB high-density disk drive.
Dermatology for Medical Students (DMS) is an interactive, computer-videodisc tutorial designed for 3rd and 4th-year medical students and to be of benefit to residents in Family and Internal Medicine as well. The intent of DMS is to function as a problem-oriented algorithm for the classification of skin diseases. DMS modules consist of a series of exercises, in increasing difficulty, that teach the logic of the algorithm and allow users to test their proficiency in its use before and after experience to the clinical setting. DMS makes use of images contained on the Slice of Life videodisc. The virtue of DMS as an instructional aid is its ability to illustrate the etiology and pathogenesis of skin diseases before they are clinically witnessed.
$150 retail
$300 retail; site license
Slice of Life; Eccles Health Sciences Library; University of Utah, Bldg. 589; Salt Lake City, UT 84112; 801-585-2737 or 801-585-2623 (fax)

Desert Storm: The War In The Persian Gulf
Multimedia news magazine
Macintosh Plus or larger; 1 MB of RAM (2 MB with color display; CD-ROM drive; System 6.0.5 or later.
$39.99 retail
Time Warner Interactive; 2210 W. Olive Ave.; Burbank, CA 91506; 818-955-9999, 800-482-3766 or 818-955-6499 (fax)

Design For Active Learning With HyperCard 2
Resource for first-time HyperCard stack preparation
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; HyperCard 2.0; System 6.0.5 or later.
$65 retail; single copy
$299 retail; site license
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

Destination: Mars!
Science education; ages 11 to 17
Macintosh Plus or larger; 1 MB of RAM.
$59.95 retail
$129.95 retail; lab pack
$499.95 retail; network edition
$599.95 retail; site license
Compu-Teach, Inc.; 16541 Redmond Way, Ste. 137-C; Redmond, WA 98052; 800-448-3224 or 206-883-9169 (fax)

Developing Writing Skills
Hundreds of hours of interactive lessons to help learners of all ages fine-tune their writing skills
Macintosh Plus or larger; CD-ROM drive.
$295 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Devising Guided Literature Activities
For secondary and college literature instructors
Macintosh Plus or larger; HyperCard 1.2; printer.
$19.95 retail
Chariot Software Group; 3659 India St., Ste. 100; San Diego, CA 92103; 619-298-0202, 800-242-7468 or 619-491-0021 (fax)

The Diagnosis of Pulmonary Embolus: A Clinician's Approach
Multimedia accelerated learning
Macintosh with 68030 processor or larger; 4 MB of RAM; color monitor; CD-ROM drive; System 7.0 or later.
$175 retail; individual
$495 retail; institutional
SilverPlatter Education, Inc.; 100 River Ridge Dr.; Norwood, MA 02062; 617-769-2599, 800-343-0064 or 617-769-8763 (fax)

Diagnostic Reasoning Catalog Of Cases
Clinical problem-solving exercises
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; HyperCard 2.1 or later; System 6.0.7 or later; QuickTime Extension.
$89 to $199 retail; per case study
$200 to $450 retail; institutional site license
Keyboard Publishing, Inc.; 482 Norristown Rd., Ste. 111; Blue Bell, PA 19422; 610-832-0945, 800-945-4551 or 610-832-0948 (fax)

Diascriptive Reading I-IV
Reading comprehension
Macintosh Classic or larger; 2 MB of RAM (4 MB with System 7).
$335 to $395 each unit retail
$1,295 retail; complete set
Educational Activities, Inc.; PO Box 392; Freeport, NY 11520; 516-223-4666, 800-645-3739 or 516-623-9282 (fax)

Diascriptive Reading In The Content Area: Science
Reading comprehension
Macintosh Classic or larger; 2 MB of RAM (4 MB with System 7).
$335 retail
Educational Activities, Inc.; PO Box 392; Freeport, NY 11520; 516-223-4666, 800-645-3739 or 516-623-9282 (fax)

Diascriptive Reading In The Content Area: Social Studies
Reading comprehension
Macintosh Classic or larger; 2 MB of RAM (4 MB with System 7).
$335 retail
Educational Activities, Inc.; PO Box 392; Freeport, NY 11520; 516-223-4666, 800-645-3739 or 516-623-9282 (fax)

The Dickens Web
Hypertext novel
Macintosh Plus or larger.
$49.95 retail
Eastgate Systems, Inc.; PO Box 1307; Cambridge, MA 02238; 617-924-9044, 800-562-1638 or 617-923-4575 (fax)

Dictionary Of The Living World 3.0
Multimedia database of life on earth; grades K to 12
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$149 retail
Media Design Interactive; The Old Hop Kiln; 1 Long Garden Walk; Farnham, Surrey GU9 7HP U.K.; 011-44-252-737630 or 011-44-252-710948 (fax)

DinoPark Tycoon
Economic simulation; ages 8 to adults
Macintosh Plus or larger; 1 MB of RAM (2 MB for color, 4 MB for System 7); hard disk drive; System 6.0.7 or later.
$59.95
MECC; 6160 Summit Dr. N; Minneapolis, MN 55430; 612-569-1500, ext. 529, 800-685-6322, ext. 529 or 612-569-1551 (fax)

Dinosaur Adventure CD
Sends kids on a fascinating journey back 250 million years in time
Macintosh LC or larger; 2 MB of free RAM; 256 colors or levels of gray; System 6.0.7 or later; CD-ROM drive.
$69.95 retail; CD-ROM
$49.95 retail; diskette
Knowledge Adventure; 4502 Dyer St.; La Crescenta, CA 91214; 818-542-4200, 800-542-4240 or 818-541-0205 (fax)

Dinosaur Days
Graphic writing program; grades 1 to 8
Macintosh LC or larger; 2 MB of RAM; color monitor.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Dinosaur Discovery
Authoritative reference for the young and the expert
Color Macintosh; 13-inch monitor; 4 MB of RAM; 500K VRAM; System 7.0 or later; CD-ROM drive.
$39.95 retail
Applied Optical Media Corp.; 1450 Boot Rd., Bldg. 400; West Chester, PA 19380; 215-429-3701, 800-321-7259 or 215-429-3810 (fax)

■ **Dinosaur Museum**
Learn about the prehistoric world
Macintosh with 68020 processor or larger; 4 MB of RAM; System 6.0.7 or later; 256-color monitor; hard disk drive.

Dinosaur Museum takes users back millions of years to when dinosaurs ruled the earth. Users will travel back to prehistoric times as they tour the fascinating Dinosaur Museum, presented in cooperation with the Smithsonian Institution with contribution from 24 of the world's great museums. In this gallery of extinct giants, users will explore three unique rooms, each with special exhibits that bring the prehistoric world to life. Users can view 3-D exhibits with special glasses and use the curiosity learning screen for indepth exploration. From the flesh-eating Tyrannosaurus to the armored Stegosaurus, users will find the mighty creatures of the Mesozoic world waiting for them in their unforgettable visit to the Dinosaur Museum.
$59.95 retail
Software Marketing Corp.; 9830 S. 51st St., Ste. A-131; Phoenix, AZ 85044; 602-893-3377, 800-545-6626 or 602-893-2042 (fax)

Dinosaur Safari
Interactive multimedia CD-ROM that sends players on a Mesozoic adventure
Macintosh LC or larger; 2 MB of free RAM; 13-inch or larger monitor with 640 by 480 resolution and 8-bit display; System 7.0 or later; CD-ROM drive.
$69.99 retail
Creative Multimedia; 513 NW 13th Ave., Ste. 400; Portland, OR 97209; 503-241-4351, 800-854-9126 or 503-241-4370 (fax)

Dinosaurs! The Multimedia Encyclopedia
Explore the world of dinosaurs
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$79 retail
Media Design Interactive; The Old Hop Kiln; 1 Long Garden Walk; Farnham, Surrey GU9 7HP U.K.; 011-44-252-737630 or 011-44-252-710948 (fax)

DinoSource
Learn about the past; ages 8 to adult
Macintosh LC or larger; 2 MB of free RAM; 256-color display; System 7.0 or later; CD-ROM drive.
$59.95 retail
Westwind Media; RR #5, Box 5833; Lake Ariel, PA 18436; 717-937-3000, 800-937-8555 or 717-937-3200 (fax)

The Discis Library
Interactive stories and teacher's guide; English/Spanish
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive; System 6.0.4 or later.
$325 retail; Classroom Edition
$1,400 retail; Lab Pack (50 discs)
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

■ **The Discovery Toolkit Monthly**
Collection of photos, sounds, artwork, animation, text and more for creating multimedia projects, lessons or reports
Macintosh LC or larger.

The Discovery Toolkit Monthly is a disk-based thematic collection of photos, sounds, artwork, animation, text, research and movies for creating multimedia projects, lessons or reports. Students and staff may use The Discovery Toolkit Monthly with their favorite software on Macintosh, Windows or DOS platforms. The nine-month subscription also includes a set of 25 newsletters, delivered each month, with project ideas, bibliographies, Master Teacher lesson plans and special discount offers on hardware and software from participating Pierian Spring Software partners.
$319 retail
Pierian Spring Software; 5200 SW Macadam Ave., Ste. 250; Portland, OR 97201; 503-222-2044, 800-472-8578 or 503-222-0771 (fax)

■ **Dissections**
Students learn classical dissection techniques
Macintosh II or larger; 2 MB of RAM; CD-ROM drive; 8-bit color monitor recommended; HyperCard 2.1 or HyperCard Player.

This CD-ROM includes six laboratory modules that introduce students to classical dissection techniques through interactive digital video clips and high-resolution still images. Modules include a frog, perch, earthworm, starfish, grasshopper and crayfish.
$129 retail; includes K to 12 building license
Digital Imaging Associates, Inc.; An Affiliate of Major Educational Resources Corp.; 10153 York Rd., Ste. 107; Hunt Valley, MD 21030; 410-628-9200, 800-989-5353 or 410-628-0915 (fax)

Divide & Conquer
Teaches the concepts and principles of Hebrew grammar
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.7 or later.
$49.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

■ **Divide And Conquer**
Students use logic and problem-solving skills; grades 4 to 12
Macintosh II or larger; 1 MB of RAM.

Ten letters, prepresenting numbers 0 to nine, are presented to students. With Divide and Conquer, their task is to break the code and find the numerical values for the letters. The dividend is given to students who enter the divisor. While the computer calculates the quotient and remainder, the numbers are partially in code. It is the student who must "divide and conquer." Not only must students add, subtract, multiply and divide, they must use all of their logic and problem-solving skills to break the code.
$79 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Dracula
Creative writing program
Macintosh LC or larger; 2 MB of RAM; color monitor.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Draw What You See
Teaches students how to draw easily; grades 5 to 12
Macintosh Plus or larger; 1 MB of RAM; HyperCard 2.0 or later.
$80 retail
Full Circle Media; 25 Valley View Ave.; San Rafael, CA 94901; 415-453-9989

The Dream Called Storm; My First Book Of Poetry
Interactive stories for children
Macintosh Plus or larger; 1 MB of RAM; two 800K disk drives or hard disk drive; HyperCard 1.2 or later.
$29.95 retail
B&B Soundworks; PO Box 7828; San Jose, CA 95150; 408-241-7986

Dream Machine: A Videodisc Companion
Interactive videodisc software
Macintosh Plus or larger; 1 MB of RAM; HyperCard 1.2.2 or later.
$59.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

■ **Dynamic English**
English course
Macintosh Plus or larger; 4 MB of RAM; color monitor (640 by 480 by 256 colors); System 7.0 or later; CD-ROM drive.

Dynamic English is DynEd's pioneering introductory English course that maximizes the effectiveness of multimedia by focusing on the key skill necessary to acquire any language: listening. In addition, both speech and reading practice provide secondary support and serve to engage learners in a wider variety of activities. Dictation and fill-in exercises also reinforce basic grammatical and lexical points appropriate to a basic level course. Level 1 is suitable for both absolute and false beginners, young adult and older. Levels 2 and 3 prepare students for more advanced materials, such as Dynamic Classics or Interactive Business English. Course content includes: Level 1 (names & places, numbers & time, jobs & family); Level 2 (daily activities, our world, locations); and Level 3 (on a trip, energy sources, directions).

$495 per level retail; English only
$595 per level retail; bilingual
DynEd International, Inc.; 989 E. Hillsdale Blvd., Ste. 130; Foster City, CA 94404; 800-765-4375, 415-578-8067 or 415-578-8069 (fax)

■ **Dynamic Japanese**
Listening-based Japanese course
Macintosh Plus or larger; 4 MB of RAM; color monitor (640 by 480 by 256 colors); System 7.0 or later; CD-ROM drive.

Dynamic English is a listening-based Japanese course that systematically presents the structures and vocabulary necessary to acquire the Japanese language. While other courses present situational dialogs or grammar-based patterns, Dynamic Japanese combines the best of both in a carefully sequenced approach that recycles structures and vocabulary from absolute beginner through pre-intermediate level of study. The six discs of Dynamic Japanese in three levels focus on useful language. Particular emphasis is placed on language typically needed by foreigners speaking to Japanese people, rather than on the Japanese spoken among Japanese native speakers themselves. Altogether, this complete course provides about 150 hours of intensive study and practice.
$350 retail; Level 1
$595 retail; Levels 2 and 3
DynEd International, Inc.; 989 E. Hillsdale Blvd., Ste. 130; Foster City, CA 94404; 800-765-4375, 415-578-8067 or 415-578-8069 (fax)

■ **Dyno-Quest**
Thinking skills game; grades 3 to 8
Macintosh Color Classic or larger; 800K disk drive; System 6.0 or later; hard disk drive with 2 MB of free space; 100K of available RAM.

Dyno-Quest's high adventure encourages students to observe, analyze and organize facts and information about dinosaurs and the lands they once roamed. Traveling back in time to the eras when continents were shifting and dinosaurs ruled the earth, users hope to recover the missing pieces of the phototag camera to photograph their target dinosaur. Users search for facts, record notes, reference a database and make strategic plans to travel safely and efficiently through time to reach their objective. Users will be encouraged to: make decisions based on observation, analysis, classification and inference; plan and organize information; increase note-reading skills; build note-taking skills; use the dinosaur database; and demonstrate map-reading skills. A 24-page user guide is included.
$69.99 retail
$185 retail; lab pack
$499 retail; network
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

EA Global Update
Brings history up-to-the-minute
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; Aldus PageMaker 4.2 or later; System 6.0.3 or later.
$79 retail; Eastern/Western Europe
$79 retail; Africa
Educational Activities, Inc.; PO Box 392; Freeport, NY 11520; 516-223-4666, 800-645-3739 or 516-623-9282 (fax)

Early Games For Young Children
Learning games
Macintosh 512K or larger, except LC.
$49.95 each retail
Springboard Educational Software; A Division of Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0908, 800-232-2224 or 203-336-2481 (fax)

Early Music Skills
Tutorial and drill program covering four basic music reading skills
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI optional (MIDI interface, MIDI keyboard).
$59.95 retail
$300 retail; network license
$420 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Earth Treks
A multimedia exploration of our world
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.
$49.95 retail
Magic Quest, Inc.; 125 University Ave.; Palo Alto, CA 94301; 415-321-5838 or 415-321-8560 (fax)

The Earthworm
Anatomical structure and function of earthworms
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$59.95 retail; School version
$99.95 retail; Lab pack (five)
$149.95 retail; Lab pack (10)
$299.95 retail; Network version (one server, up to 30 stations)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

Easy Street
Reading, math, money and problem–solving skills; grades pre-K to 3
Macintosh Plus or larger; 1 MB of RAM (2 MB for color); hard disk drive recommended; System 6.0 or later.
$69.99 retail
$185 retail; lab pack (six)
$499 retail; network
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

■ **EasyBook**
Kids can write and illustrate their own books
Macintosh Plus or larger; System 6.0 or later.

EasyBook is a fun and easy to use book publishing program for kids. Students become authors easily and quickly as they write, illustrate and then print their own stories. Children improve their overall language skills as they experience the pride of authorship that comes from seeing their stories in print. EasyBook produces books instantly by printing on both sides of the paper: just remove the stack of paper from the printer, fold it in half, and the book is complete. With EasyBook, students see their "real" book on the screen, complete with a cover, title page and story pages. EasyBook keeps young authors in full control, offering constant visibility of their storybook and its sequencing. Students can customize the layout for every story page and decorate pages with colorful paint tools, including 336 built-in stamps or ones they create themselves. Children love to tell their stories, and have lots of fun as their creativity spills onto the pages of their very own book.
$59.95 retail
Chickadee Software, Inc.; RR2, Box 79W; Center Harbor, NH 03226; 603-253-4600 or 603-253-4623 (fax)

EasyKana
Japanese language program
Macintosh Plus or larger; hard disk drive; System 6.0.7 or later.
$99 retail
HyperGlot Software Co., Inc.; PO Box 10746; Knoxville, TN 37939; 615-558-8270, 800-726-5087 or 615-588-6569 (fax)

Echos
Strengthens sight, rhythm and note reading skills
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI interface; MIDI keyboard.
$99.95 retail
$500 retail; network license
$700 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

■ **Echos II**
Strengthens music-reading skills
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI interface; MIDI keyboard.

Echos II is the followup to Echos. It is designed to strengthen sight-reading skills, as well as rhythm and note-reading accuracy for the more advanced key signatures. Students "echo" musical examples to strengthen their sight-reading skills. Students also examine two separate pieces of music to identify what they hear being played.
$99.95 retail
$500 retail; network license
$700 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Eco-Adventures In The Oceans
Animated computer game that explores the oceans of the earth, teaching students about the fragile ecological balance of the oceans; grades 6 to 12
Macintosh Plus or larger; 1 MB of RAM; hard disk drive recommended; System 6.0.2 or later.
$59.95 retail; single user
$94.95 retail; school edition
$139.95 retail; lab pack (five users)
Chariot Software Group; 3659 India St., Ste. 100; San Diego, CA 92103; 619-298-0202, 800-242-7468 or 619-491-0021 (fax)

Eco-Adventures In The Rainforest
Action-adventure game that teaches students about rainforest ecosystems; grades 5 to 12
Macintosh Plus or larger; 1 MB of RAM; hard disk drive recommended; System 6.0.2 or later.
$59.95 retail; single user
$79.95 retail; school edition
$119.95 retail; lab pack (five users)
Chariot Software Group; 3659 India St., Ste. 100; San Diego, CA 92103; 619-298-0202, 800-242-7468 or 619-491-0021 (fax)

Ecology Treks
The science of ecology brought to life through animation, sounds, simulations and graphics
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.
$49.95 retail
Magic Quest, Inc.; 125 University Ave.; Palo Alto, CA 94301; 415-321-5838 or 415-321-8560 (fax)

Ecosystems
Introduces students to the elements of and the relationships within ecosystems; grades 4 to 8
Macintosh Plus or larger; 1 MB of RAM; hard disk drive or two 800K disk drives.
$99 retail
$595 retail; network version (site license available)
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Ed-U-Games
Trivia game concept
Macintosh LC or larger; 2 MB of RAM.
$20 retail; shareware registration
Solar Systems Software; 8105 Shelter Creek; San Bruno, CA 94066; 415-952-2375

Educational Games For Young Children
Programs for development of early skills
Macintosh Plus or larger, except LC; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

The Egyptian Pyramids: A Royal Geographical Society Electronic Guide
Experience the last of the ancient seven wonders
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 12- or 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

ElementarySigner
Introduces elementary level hearing or hearing-impaired students to American Sign Language
Macintosh 512K or larger; MacinTalk V6 or earlier (for talking version).
$79.95 retail; silent version
$99.95 retail; talking version
E&IS SignWare; PO Box 521; Cedar Falls, IA 50613; 319-266-7800 (fax)

Elements Of Music
Entry-level musical notation program
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$99.95 retail
$500 retail; network license
$700 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Ellis Island
Immigrants' experiences in 1892; grades 7 to 12
Macintosh Classic or larger; 4 MB of RAM; HyperCard 2.0 or later.
$98 retail
Educational Activities, Inc.; PO Box 392; Freeport, NY 11520; 516-223-4666, 800-645-3739 or 516-623-9282 (fax)

Emergent Level One
Interactive stories, poems and songs for young readers
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive; System 6.0.4 or later.
$49.95 retail
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

Emergent Level Two
Interactive stories and poems for young readers
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive; System 6.0.4 or later.
$49.95 retail
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

The Empire State Building: A Royal Geographical Society Electronic Guide
Explore America's best-known skyscraper
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 12- or 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

The Encyclopedia Of Dinosaurs
Interactive multimedia reference
Any color-capable Macintosh; 2.5 MB of RAM; QuickTime; System 6.0.7 or later; CD-ROM drive.
$59.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

The Encyclopedia Of Life
Reference to life on our planet
Macintosh SE/30, LC or larger; QuickTime; System 6.0.7 or later; CD-ROM drive.
$79.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Engines Of Change: The American Industrial Revolution, 1790-1860
Dynamic teaching supplement that brings the U.S. industrial revolution alive; grade 9 to college level
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later; HyperCard 2.0.
$59 retail; single copy
$249 retail; site license
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

English Language Development
Introduces beginning level, limited-English students to the language
Macintosh LC or larger.
Call for pricing
Jostens Learning Corp.; 6170 Cornerstone Ct. E; San Diego, CA 92121; 619-587-0087, 800-521-8538 or 619-587-1629 (fax)

EnviroAccount
Personal environmental audit software
Macintosh Plus or larger; System 7.0 or later.
$49.95 retail
EnviroAccount Software; 605 Sunset Ct.; Davis, CA 95616; 916-756-9156 or 800-554-0317

Environment Tutor
Full environment studies course; junior and senior High School level
Macintosh Plus or larger; 1 MB of RAM.
$479 each retail
$1,199 each retail; lab pack
$1,439 each retail; network
$799 retail; series
$1,899 retail; series lab pack
$2,199 retail; series network
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

Ephemeral Films, By Rick Prelinger
An archaeological dig through the layers of America's recent past
Macintosh LC or larger; 4 MB of RAM; 256-color monitor; System 6.0.7 or later; QuickTime-compatible CD-ROM drive.
$29.95 each volume retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

The Etiology Of Cancer
Interactive tutorial that addresses the environmental and genetic causes of cancer
Macintosh with 68030 processor or larger; 4 MB of RAM; color monitor; CD-ROM drive; System 7.0 or later.
$175 retail; individual
$495 retail; institutional
SilverPlatter Education, Inc.; 100 River Ridge Dr.; Norwood, MA 02062; 617-769-2599, 800-343-0064 or 617-769-8763 (fax)

European History Study Questions
Study disks
Any Macintosh.
$79 each disk retail
Shakespeare on Disk; Hollow Rd., PO Box 299M; Clinton Corners, NY 12514; 914-266-5705 or 914-876-6918 (fax)

European Monarchs
Facts about Europe's Kings and Queens
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive.
$79.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A; Minneapolis, MN 55414; 612-379-3956 or 612-623-4570 (fax)

EuroStack
Information gathering resource for Europe
Macintosh Plus or larger; HyperCard 2.0.
$50 retail
$150 retail; site license
The Flexible Learning Co.; 15 Longpoles Rd.; Cranleigh, Surrey, England GU6 7JZ; (0) 483-277020

Exam In A Can
Math testing tools
Macintosh Plus or larger; 1 MB of RAM.
$299.95 each retail
Tom Snyder Productions, Inc.; 80 Coolidge Hill Rd.; Watertown, MA 02172; 617-926-6000, 800-342-0236 or 617-926-6222 (fax)

Executive English
Reading, listening and speaking program that teaches conversational business English and American business culture and practices
Macintosh Plus or larger; 4 MB of RAM; color monitor (640 by 480 by 256 colors); System 7.0 or later; CD-ROM drive.
$225 each retail
DynEd International, Inc.; 989 E. Hillsdale Blvd., Ste. 130; Foster City, CA 94404; 800-765-4375, 415-578-8067 or 415-578-8069 (fax)

Exotic Japan, By Nikki Yokokura
Language and culture program
Macintosh Plus or larger; 2 MB of RAM (3 MB for System 7); hard disk drive; CD-ROM drive; System 6.0.7 or later; HyperCard 2.0.2 or later.
$59.95 retail
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Expanded Book Series
Electronic, expanded books
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$19.95 each retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

Expert Astronomer
Astronomy
Macintosh Plus or larger; 2 MB of RAM (4 MB recommended for System 7); hard disk drive; System 6.0.5 or later.
$49.95 retail
Expert Software, Inc.; 800 Douglas Rd., North Tower, Ste. 750; Coral Gables, FL 33134; 305-567-9990, 800-759-2562 or 305-443-0786 (fax)

Exploration
American history
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM drive.
$70 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Explorations In Science
Provides lessons in the physical, life and earth sciences
Macintosh LC or larger.
Call for pricing
Jostens Learning Corp.; 6170 Cornerstone Ct. E; San Diego, CA 92121; 619-587-0087, 800-521-8538 or 619-587-1629 (fax)

Explore & Discover
The Voyage of the Mimi videodisc
Macintosh Plus or larger; 1 MB of RAM; hard disk drive or two 800K disk drives; Mimi videodisc.
$99 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Exploring Ancient Cities
Macintosh LC or larger; 6 MB of RAM; 13-inch monitor (256 or better colors); System 7.0 or later; CD-ROM drive.
$59.95 retail
Sumeria, Inc.; 329 Bryant St., Ste. 3D; San Francisco, CA 94107; 415-904-0800, 800-478-6374 or 415-904-0888 (fax)

Exploring Genetics and Heredity
Learn the patterns of heredity
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM.
$95 retail
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Exploring Languages, Word For Word School Series
Interactive language microworld; grades K to 8
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; HyperCard 2.0; System 6.0.5 or later; Sound Recorder.
$55 retail; Master Module (Spanish, French or German)
$249 retail; site license; Master Module
$29 retail; add-ons; Kindergarten, Library, Calendar, Neighborhood (Spanish)
$99 retail; site license; add-ons
$145 retail; entire series (Spanish)
$549 retail; site license entire series

Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

Factomatic Business Library
Business reference collection
Macintosh LC or larger; 4 MB of RAM; color display; System 6.0.7 or later; CD-ROM drive.
$129.95 retail
Compton's NewMedia, Inc.; 2320 Camino Vida Roble; Carlsbad, CA 92009; 619-929-2500 or 619-929-2511 (fax)

Factory/La Fabrica (Spanish version)
Challenges students to reconstruct a finished product by designing the appropriate factory assembly line; grades 4 to adult
Macintosh Plus or larger; 1 MB of RAM; hard disk drive or two 800K disk drives.
$79 retail; English or Spanish version
$475 retail; network version (site license available)
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Facts & Faces Of U.S. Presidents
Education
Macintosh Plus or larger; 1 MB of RAM; 800K disk drive; HyperCard.
$49.50 retail
Visatex Corp.; 1745 Dell Ave.; Campbell, CA 95008; 408-866-6562 or 800-722-3729

The Fall Of the House Of Usher
Edgar Allan Poe's short story; ages 12 to adult
Macintosh LC or larger; 2 MB of free RAM; 256-color display; System 7.0 or later; CD-ROM drive.
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Westwind Media; RR #5, Box 5833; Lake Ariel, PA 18436; 717-937-3000, 800-937-8555 or 717-937-3200 (fax)

■ **Farm Animals & Spiders**
Children learn about farm animals and spiders; ages 6 to 9
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later; CD-ROM drive.

Farm Animals covers horses, cows, sheep and pigs. The text and photographs in this book take a practical look at why and how people raise farm animals. Children will begin to understand the differences between young and adult animals and their varying needs for food, water, shelter and medical care.

Children often think of spiders as creepy, crawly, frightening creatures. This book shows how interesting and beautiful spiders can be. A survey of spiders from around the world tells how babies are born, how spiders spin webs made of silk threads and how they use them as homes and traps to catch insects they need for food.

These interactive titles are complete with text, colorful illustrations, dramatic narration, original music and sound effects. Interactive learning software provides pronunciation, syllables, optional Spanish translation and in-context explanations for every word in the text with a click of the mouse. Users see and hear "labels" for parts of pictures by clicking on them.
$36.95 retail; two-disc value bundle
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

Favorite Fairy Tales CD
Combine music, illustrations and dramatic presentation
Macintosh LC or larger; 2 MB of RAM; color monitor; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Fertilization
Botany, biology and agricultural courseware series
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$250 retail
EduSelf/Tech Pubs Hal, Inc.; 82 Park Ave.; Rutherford, NJ 07070; 201-507-0030 or 201-507-0192 (fax)

Fertilizers
Botany, biology and agricultural courseware series
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$250 retail
EduSelf/Tech Pubs Hal, Inc.; 82 Park Ave.; Rutherford, NJ 07070; 201-507-0030 or 201-507-0192 (fax)

The Fetal Pig
Anatomical structures and biological functions of mammals
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$59.95 retail; School version
$99.95 retail; Lab pack (five)
$149.95 retail; Lab pack (10)
$299.95 retail; Network version (one server, up to 30 stations)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

Fields Of Learning 2.1
Multimedia curriculum package
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.
$995 retail; Life Science (includes site license)
$1,345 retail; pre-loaded on external hard disk drive (80 MB); includes MS Works/ClarisWorks databases
K-12 MicroMedia Publishing, Inc.; 6 Arrow Rd.; Ramsey, NJ 07446; 201-825-8888, 800-292-1997 or 201-825-0582 (fax)

Fields Of Learning: U.S. History
Social studies
Macintosh with 2 MB of RAM (4 MB with System 7); System 6.0.5 or later.
$150 retail; each unit
$550 retail; bundle of all five units
K-12 MicroMedia Publishing, Inc.; 6 Arrow Rd.; Ramsey, NJ 07446; 201-825-8888, 800-292-1997 or 201-825-0582 (fax)

FingerSpeller
Converts Macintosh keyboard to an American Sign Language keyboard
Macintosh 512K or larger; MacinTalk V6 or earlier (for talking version).
$39.95 retail; silent version
$49.95 retail; talking version
E&IS SignWare; PO Box 521; Cedar Falls, IA 50613; 319-266-7800 (fax)

FingerZoids
Sign language program; modified game program
Macintosh 512K or larger.
$49.95 retail
E&IS SignWare; PO Box 521; Cedar Falls, IA 50613; 319-266-7800 (fax)

Fire & Ice: London's Tales Of The Yukon
Jack London's best tales
Macintosh LC or larger; 2 MB of free RAM; color monitor; 2 MB of hard disk space; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

First Connections: The Golden Book Encyclopedia
Interactive encyclopedia
Macintosh LC or larger.
Call for pricing; network version
$149.95 retail; stand-alone version available from Hartley Courseware (800-247-1380)
Jostens Learning Corp.; 6170 Cornerstone Ct. E; San Diego, CA 92121; 619-587-0087, 800-521-8538 or 619-587-1629 (fax)

First Emperor, By Je Chi-Chen
A spectacular archaeological find
Macintosh with 68030/25 MHz processor or larger; 5 MB of RAM; 13-inch color monitor; System 7.0 or later; CD-ROM drive (double speed recommended).
$79.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

The First Ever Clam & Craft Cookbook
Delightful and entertaining 300-page HyperCard stack; gives children a new and unique hobby while parents enjoy the large collection of clam recipes
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; HyperCard 1.2 or 2.0.
$29.95 retail
Millimac Licensing Co.; 188 Michael Way; Santa Clara, CA 95051; 408-984-0700 or 408-984-7456 (fax)

■ **First Words, First Words II And First Verbs**
Early vocabulary for adults and children with disabilities
Any Macintosh.

First Words, First Words II and First Verbs help children and adults with disabilities master essential early vocabulary. High-quality speech, colorful graphics and amusing animation capture and maintain the user's attention. Six levels of training and a variety of customization features enable instructors to tailor lessons to the specific needs of the user. Interface options include the keyboard, mouse, TouchWindow or a single switch. Automatic data collection provides easy record keeping. These programs offer the consistent, supportive environment that people with special needs require and have been widely recognized for their excellence of design, content and instructional delivery.
$225 retail
Laureate Learning Systems, Inc.; 110 E. Spring St.; Winooski, VT 05404; 802-655-4755, 800-562-6801 or 802-655-4757 (fax)

Flash Card French, Spanish And German
French and Spanish vocabulary
Macintosh Plus or larger; HyperCard.
$20 each retail
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

Fractas IFS
Mathematics
Macintosh Plus or larger.
$15 retail
Dynamic Software; PO Box 13991; Berkeley, CA 94701; 510-644-0139

Fraction Action
Mathematics; ages 8 and up
Macintosh 128K, 512K or SE/30; System 6.0.1 or earlier for black and white version. Macintosh LC or larger; System 6.0.7 or later for color version.
$49.95 retail; specify black and white or color version
Unicorn Software; 6000 S. Eastern Ave., Bldg. 9, Ste. A; Las Vegas, NV 89119; 702-597-0818 or 702-597-0008 (fax)

■ **Fraction-oids**
Improves understanding of fractions; grades 2 to 8
Macintosh Color Classic or larger; 800K disk drive; System 6.0 or later; hard disk drive with 1.3 MB of free space; 850K of available RAM.

Fraction-oids is an excellent introduction to the concept of fractions. Users begin with graphical representations of the fractions to better understand numerators and denominators. Through the three levels, users will learn to compare numerical fractions with graphic representations that are selected. Addition and subtraction of like fractions is also introduced with graphic support. The game portion of this program may be turned on or off to suit users. Users will learn to: make graphical representations of the numerators of a fraction; make graphical representations of the denominator of a fraction; compare three fractions to determine largest and smallest; create numerical fractions from a graphical representation; add fractions with common denominators; and subtract fractions with common denominators. A 24-page user guide is included.
$69.99 retail
$185 retail; lab pack
$499 retail; network
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

France At Its Best
Explore France
Macintosh LC or larger; 4 MB of RAM; color display; System 6.0.7 or later; CD-ROM drive.
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Compton's NewMedia, Inc.; 2320 Camino Vida Roble; Carlsbad, CA 92009; 619-929-2500 or 619-929-2511 (fax)

Franklin D. Roosevelt: History Maker
Transports users into the life and times of Franklin Roosevelt
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$54.95 retail
MultiEducator Inc.; 244 North Ave.; New Rochelle, NY 10801; 914-254-4346, 800-866-6434 or 914-235-5131 (fax)

French Reading Lab I
French reading skills
Macintosh Plus or larger; 1 MB of RAM; HyperCard 2.0.x; System 6.0.7 or later.
$29.95 retail
HyperGlot Software Co., Inc.; PO Box 10746; Knoxville, TN 37939; 615-558-8270, 800-726-5087 or 615-588-6569 (fax)

French Tutor
French grammar, vocabulary and reading comprehension
Macintosh Plus or larger; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Friday Afternoon
Tool to create learning materials
Macintosh LC, LC II or larger; 4 MB of RAM; System 7.0 or later.
$99.95 retail
Hartley Courseware; 3451 Dunckel Rd., Ste. 200; Lansing, MI 48911; 517-394-8500, 800-247-1380 or 517-394-9899 (fax)

Frog And Toad Are Friends
Language arts link between the story and a student's creativity and perceptions
Macintosh Plus or larger; HyperCard 2.0; videodisc player.
$25 retail
Chariot Software Group; 3659 India St., Ste. 100; San Diego, CA 92103; 619-298-0202, 800-242-7468 or 619-491-0021 (fax)

■ **Fun Around The House**
Children learn and explore within non-linear format
Macintosh LC or larger; 2 MB of RAM; System 6.0.7 or later; color monitor; CD-ROM drive.

Fun Around the House encourages children to learn and explore in a non-linear format. It features marvelous graphics, engaging animations and incredible hidden surprises, including guest appearances in full-motion video by all-time favorite cartoon characters. More than 250 words are introduced, each with a picture in an appropriate setting and in an illustrated dictionary reference. Fun Around the House includes various home scenes and nine different games to teach words and concepts. It has a creative writing section for users to create their own stories based on the scenes and the characters.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Fun Physics
Simulation software for educators, students and designers
Macintosh Plus or larger; 1 MB of RAM (2 MB for color); one floppy disk drive and hard disk drive; System 6.0.2 or later.
$65 retail
$495 retail; 10 pack
$995 retail; site license
Knowledge Revolution; 66 Bovet Road, Ste. 200; San Mateo, CA 94402; 415-574-7777, 800-766-6615 or 415-574-7541 (fax)

Function Probe
The 3-in-1 problem solving tool for exploring mathematical functions; grade 9 to college level
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.5 or later.
$79 retail; single copy
$349 retail; site license
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

Functional Harmony Series
Develops facility in harmonic analysis
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI optional (MIDI interface, MIDI keyboard).
$200 retail
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$1,400 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

G-Netix
Gives users the power to re-create mankind
Macintosh Plus or larger; 2 MB of RAM (4 MB for color); hard disk drive; System 6.0.7 or later.
$69.95 retail
ISM, Inc.; 2103 Harmony Woods Rd.; Owings Mills, MD 21117; 410-560-0973 or 410-560-1306 (fax)

GAIA/Environmental Resources
Environmental reference set
Macintosh Plus or larger; CD-ROM drive.
$99 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

GED CD
Prepare for high school equivalency
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later; CD-ROM drive.
$495 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

General Science Tutor
Full general science course; junior and senior high school level
Macintosh Plus or larger; 1 MB of RAM.
$479 each retail
$1,199 each retail; lab pack
$1,439 each retail; network
$1,099 retail; series
$2,999 retail; series lab pack
$3,999 retail; series network
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

Geo-Puzzlers
Geographic jigsaw puzzle stacks
Macintosh Plus or larger; 1.5 MB of RAM; hard disk drive; HyperCard 2.0 or later; System 6.0.5 or later.
$29.95 retail; starter pak (engine, manual and puzzle disk)
$10 retail; each additional disk
Platypus Software; PO Box 1591; Corvallis, OR 97339; 503-758-3429 or 503-754-3114 (fax)

Geography Challenge
A multilevel skill-building geography game; grades 8 to 12
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; HyperCard 2.0; System 6.0.5 or later.
$55 retail; single copy
$249 retail; site license
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

Geography Search
Social studies; grades 5 to 12
Macintosh LC or larger; System 7.0 or later.
$179.95 retail; free demo available
Tom Snyder Productions, Inc.; 80 Coolidge Hill Rd.; Watertown, MA 02172; 617-926-6000, 800-342-0236 or 617-926-6222 (fax)

The Geometer's Sketchpad V2
Geometry exploration tool
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.
$169.95 retail; single user
$399.95 retail; 10 pack
$899.95 retail; site license
Key Curriculum Press, Inc.; PO Box 2304; Berkeley, CA 94702; 510-548-2304, 800-338-7638 or 510-548-0755 (fax)

The Geometric Golfer
Game that uses all the basic transformations of geometry
Macintosh Plus or larger; 1.5 MB of RAM for color; System 6.0.7 or later.
$69 retail
MECC; 6160 Summit Dr. N; Minneapolis, MN 55430; 612-569-1500, ext. 529, 800-685-6322, ext. 529 or 612-569-1551 (fax)

The Geometric Super Supposer
Geometry; grades 8 to 12
Macintosh Plus or larger; 1 MB of RAM.
$189 retail
$1,135 retail; network version (site license available)
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Geometry
Mathematical theories
Macintosh 512K or larger.
$89.95 suggested retail
$99.95 retail; school edition
$199.95 retail; lab pack
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

Geometry Concepts
Learn the terminology of geometry
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$59.95 retail; School version
$99.95 retail; Lab pack (five)
$149.95 retail; Lab pack (10)
$299.95 retail, Network version (one server, up to 30 stations)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

Geometry Inventor
Geometry inquiry tool; grades 8 to college
Macintosh Plus or larger; 1 MB of RAM.
$129 retail
$775 retail; network version (site license available)
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

German Passive Voice
Covers German tenses
Macintosh Plus or larger; hard disk drive; HyperCard 2.x; System 6.0.7 or later.
$59.95 retail
HyperGlot Software Co., Inc.; PO Box 10746; Knoxville, TN 37939; 615-558-8270, 800-726-5087 or 615-588-6569 (fax)

German: The Easy Way And Russian: The Easy Way
Covers first year German and Russian grammar
Macintosh Plus or larger.
$49.95 each retail
Gessler Educational Software; 55 W. 13th St.; New York, NY 10011; 212-627-0099 or 212-627-5948 (fax)

Getting Ready For A Good Job
Multimedia solution for adults who need to increase their reading comprehension skills and receive job readiness education
Macintosh LC or larger; 2 MB of RAM; hard disk drive; CD-ROM drive; headphones suggested.
$595 retail
$1,500 retail; Labpack
$2,000 retail; Network

Interactive Knowledge, Inc.; 1100 S. Mint St., Ste. 209; Charlotte, NC 28203; 704-344-0055, 800-344-1502 or 704-344-1505 (fax)

■ Gliding
Introduction to basic trigometric ratios; grades 8 to 12
Macintosh II or larger; 1 MB of RAM.
Gliding is a problem-oriented introduction to basic trigometric ratios. Students are challenged to find the appropriate ratio to describe the path of a glider. By using the correct trigometric ratio, students help the glider reach its destination. Gliding helps students develop the relative meaning of sine, cosine, tangent, ratios and slope.
$79 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Global Recall 2.0.2
Global studies
Macintosh Plus or larger; 1 MB of RAM (2 MB recommended); hard disk drive; System 6.0.5 or later.
$149.95 retail
$95 retail; with educational discount
$275 retail; lab pack of five
Site licenses available
World Game Institute; 3215 Race St.; Philadelphia, PA 19104; 215-387-0220 or 215-387-3009 (fax)

Goferwinkel's Adventures
Multimedia comic book
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$49.95 retail
Ebook, Inc.; 32970 Alvarado-Niles Rd., Ste. 704; Union City, CA 94587; 510-429-1331 or 510-429-1394 (fax)

Goldilocks And The Three Bears
A new approach to math readiness
Macintosh LC or larger; 3.2 MB of RAM; hard disk drive; color monitor; System 7.1 or later.
$49.95 retail
Educational Activities, Inc.; PO Box 392; Freeport, NY 11520; 516-223-4666, 800-645-3739 or 516-623-9282 (fax)

Golf Teacher And Tennis Teacher
Fundamentals, advanced techniques and terminology of golf and tennis
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; HyperCard.
$29.95 each retail
$49.95 retail; both programs
The Young Investor; PO Box 150661, Dept. 1318; Ft. Worth, TX 76108; 817-732-1521

Gophers In The Garden
Interactive science program; ages 3 to 5
Macintosh Plus or larger; 4 MB of RAM; 8-bit color; CD-ROM drive.
$50 retail
Scientia Inc.; 657A Somerville Ave.; Somerville, MA 02143; 617-776-3427 (phone/fax) or 800-453-4725

■ Graffiti One
Self study for ESL students
Macintosh Plus, SE, or II family; HyperCard 1.2 or later; hard disk drive.
Graffiti One is a self-study program for intermediate, high school and adult ESL students. It combines words, pictures and sounds into an enjoyable and challenging interactive learning experience. The program uses male and female American voice models to improve students' listening comprehension, along with an engaging story line and a comic-strip format that enables users to see and hear the dialog. Reading comprehension exercises, including dictation, multiple choice, timed skim and scan and fill-in activities, motivate students with immediate feedback and scoring.
$149.50 retail
Audio-Forum; 96 Broad St.; Guilford, CT 06437; 203-453-9794, 800-243-1234 or 203-453-9774 (fax)

GrammaiRex
Interactive French grammar exercises
Macintosh Plus or larger; hard disk drive.
$35 or 150 Francs retail
La Ferme; La Petite Eguille; 17600 Saujon, France; 33-46-22-84-31 or 33-46-22-91-38 (fax)

The Grand Canyon: A Sierra Club Electronic Guide
Discover America's most famous natural wonder
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 12- or 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

Grand Tour Of The Solar System
Education
Macintosh Plus or larger; HyperCard.
$30 retail
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

The Graph Club With Fizz & Martina
Teaches math concepts and problem-solving skills; grades K to 3
Macintosh Plus or larger; 1 MB of RAM.
$149.95 retail
Tom Snyder Productions, Inc.; 80 Coolidge Hill Rd.; Watertown, MA 02172; 617-926-6000, 800-342-0236 or 617-926-6222 (fax)

Graphing For Science
Interactive computer-based instruction; grades 5 to 9
Macintosh Plus or larger.
$39.95 retail; specify color or black and white
$139.95 retail; site license
Edupro Software Ltd.; 31 Fairview Blvd., #108; St. Albert, Alberta, Canada T8N 3M5; 403-458-0303 or 403-460-9252 (fax)

GraphPlay 1.0
Helps students understand the relationship between a function in algebraic form and its graph
Macintosh Plus or larger.
$47 retail; academic discounts and site licenses available
Brooks/Cole Publishing Co.; 511 Forest Lodge Rd.; Pacific Grove, CA 93950; 408-373-0728, 800-354-9706 or 408-375-6414 (fax)

GraphPower
Create graphs and learn to analyze data
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$79.95 retail; School version
$119.95 retail; Lab pack (five)
$169.95 retail; Lab pack (10)
$349.95 retail, Network version (one sever, up to 30 stations)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

The Great Barrier Reef: A Sierra Club Electronic Guide
Explore a dynamic ecosystem
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 12- or 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

Great Cities Of The World, Volume 2
Multimedia tour of Berlin, Rome, Singapore, San Francisco, Johannesburg, Buenos Aires, Chicago, Toronto, Jerusalem and Seoul
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$49.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

Great Literature Personal Library Series
Contains the full text of 1,896 of the world's greatest literature
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive.
$54.95 retail
Bureau of Electronic Publishing, Inc.; 141 New Rd.; Parsippany, NJ 07054; 201-808-2700, 800-828-4766 or 201-808-2676 (fax)

The Great Ocean Rescue
A cooperative voyage to the bottom of the sea; science for grades 5 to 8
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; videodisc player.
$399.90 retail
Tom Snyder Productions, Inc.; 80 Coolidge Hill Rd.; Watertown, MA 02172; 617-926-6000, 800-342-0236 or 617-926-6222 (fax)

The Great Quake Of '89
Interactive videodisc and HyperCard stack
Macintosh Plus or larger; HyperCard 1.2.2 or later; videodisc player.
$49.95 each retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

The Great Solar System Rescue
Students search for probes lost in our solar system
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; videodisc player.
$349.95 retail
Tom Snyder Productions, Inc.; 80 Coolidge Hill Rd.; Watertown, MA 02172; 617-926-6000, 800-342-0236 or 617-926-6222 (fax)

The Great Wall Of China: A Royal Geographical Society Electronic Guide
Explore China's mammoth construction
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 12- or 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

Greatest Children's Stories Ever Told CD
Best-loved tales
Macintosh LC or larger; 2 MB of RAM; color monitor; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

The Greenhouse Effect
Presents material on this environmental issue; grades 6 to 12
Macintosh Plus or larger; 1 MB of RAM; HyperCard 2.0 or later.
$80 retail
Full Circle Media; 25 Valley View Ave.; San Rafael, CA 94901; 415-453-9989

Groupwriter
Composition tool in which students participate in live, online discussions; grades 4 to adult
Macintosh Plus or larger; 1 MB of RAM (2 MB for System 7); System 6.0 or later; printer recommended.
$325 retail
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

GTV: A Geographic Perspective On American History
Enlivens the study of history and geography
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; videodisc player; TV or video monitor.
$795 retail; school price
Optical Data Corp.; 30 Technology Dr.; Warren, NJ 07059; 908-668-0022 or 800-524-2481

GTV: The American People: Fabric Of A Nation
Interactive videodisc; grades 5 to 12
Macintosh with 2 MB of RAM; 3.5-inch disk drive; hard disk drive; System 6.0.5 or later; videodisc player; TV monitor; printer (optional).
$795 retail
$35 retail; bar-code directory
National Geographic Society, Educational Media Division; 17th and M Streets NW; Washington, DC 20036; 800-368-2728 or 301-921-1575 (fax)

■ **GuidePath**
Systemic pathology
Macintosh Plusor larger; 2 MB of RAM (4 MB for System 7); 20 MB of free hard disk space; System 6.0.4 or later.
GuidePath is a multimedia, computer-aided instruction program designed to teach systemic pathology to second-year medical students. GuidePath covers 18 subjects (each major organ system). Text icons in GuidePath are linked to the Slice of Life videodisc, making it ideally suited for interactive small group teaching. GuidePath contains 2,800 gross and microscopic images, as well as X-rays and charts. A concise user's manual teaches students and faculty alike how to use GuidePath in less than 1 hour. In addition, a computer lab schedule illustrates each section of the subject headings. Because GuidePath is a hypertext authoring program, users can edit and revise GuidePath to meet their specific instructional needs in devising a pathology curriculum.
$600 retail; site license
$500 retail; GRIPE members
Slice of Life; Eccles Health Sciences Library; University of Utah, Bldg. 589; Salt Lake City, UT 84112; 801-585-2737 or 801-585-2623 (fax)

■ **Gus And The CyberBuds Sing, Play And Paint-A-Long**
Children learn to sing-along, paint and create
Macintosh LC or larger; 4 MB of RAM; System 7.0 or later; CD-ROM drive; 13-inch color monitor or larger recommended.
In Gus and the CyberBuds Sing, Play and Paint-A-Long users can sing-a-long to favorite children's songs, paint pictures with a variety of colorful tools and even create their own animated songs. Lively animation and sound effects, scrolling lyrics, QuickTime videos and a sophisticated yet user-friendly paint program work together on CD-ROM to provide users with an interactive environment where they can sing, play and paint-a-long to a mix of original and all-time favorite children's songs. The paint program provides users with creativity tools to add to a song's background scene or create an entirely new scene while listening to a selected song. Children can even create an entirely new version of a song complete with animated characters. Gus and the CyberBuds Sing, Play and Paint-A-Long provides written and verbal instructions, as well as interface controls in a choice of languages (English, French, German, Spanish and Japanese).
$49.95 retail
Modern Media Ventures; 300 Brannan St.; San Francisco, CA 94107; 415-546-1515 or 415-546-1590 (fax)

Gus Goes To CyberTown
Interactive multimedia CD-ROM with learning activities
Macintosh LC or larger; 4 MB of RAM; 256 colors; 13-inch monitor; System 7.0 or later; CD-ROM drive.
$39.95 retail
Modern Media Ventures; 300 Brannan St.; San Francisco, CA 94107; 415-546-1515 or 415-546-1590 (fax)

Hagar The Polyglot
French, Spanish or German tutor
Macintosh Plus or larger; HyperCard.
$59.95 each retail; French or Spanish
$49.95 retail; German
$149 retail; three-language set
Gessler Educational Software; 55 W. 13th St.; New York, NY 10011; 212-627-0099 or 212-627-5948 (fax)

HandiArt For Creative Teachers
Extensive library of clip art images
Macintosh LC or larger; 2 MB of RAM; System 6.0.7 or later.
$39.95 each title retail; color and black and white
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

Hands-On Electronics
Introduces students to electronics
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$149.95 retail
$389.95 retail; Five pack
$689.95 retail; 10 pack
$299.95 retail; Network version (one server, up to 30 stations)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

Hands-On Math
Teach children to discover, explore and learn math concepts and operations
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$59.95 retail
$99.95 retail; Lab pack (five)
$149.95 retail; Lab pack (10)
$299.95 retail; Network version (one server, up to 30 stations)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

Hangman Series
Spanish, French and German vocabulary
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; HyperCard 2.0 or later.
$34.95 retail
Gessler Educational Software; 55 W. 13th St.; New York, NY 10011; 212-627-0099 or 212-627-5948 (fax)

Harmonic Progressions
Improves functional harmony analysis skills
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI interface; MIDI keyboard.
$200 retail
$1,000 retail; network license
$1,400 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Headline Harry And The Great Paper Race
Learning adventure
Macintosh Plus or larger; 3 MB of RAM; hard disk drive; color monitor; System 6.0.7 or later.
$59.95 retail
Davidson & Associates, Inc.; 19840 Pioneer Ave.; Torrance, CA 90503; 310-793-0600, 800-545-7677 or 310-793-0601 (fax)

Health Today
Interactive up-to-date health program
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later; CD-ROM drive.
$195 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Heather Hits Her First Home Run
Interactive story; ages 6 and up; English/Spanish
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive; System 6.0.4 or later.
$29.95 retail
$35.95 retail; Classroom Edition
$155 retail; Lab Pack (five discs)
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

Hematology VideoReview
Complete basic course in hematology using the Slice of Life videodisc
Macintosh Plus or larger with a SuperDrive; hard disk drive; System 6.0.7 or later; HyperCard 2.1 (included); QuickTime Extension (included); Level 3 NTSC videodisc player with RS-232 interface.
$220 retail; Hematology VideoReview
$495 retail; five-station site license
$300 retail; Slice of Life VI Videodisc
Keyboard Publishing, Inc.; 482 Norristown Rd., Ste. 111; Blue Bell, PA 19422; 610-832-0945, 800-945-4551 or 610-832-0948 (fax)

Heroic Tales: Theseus — Caught In The Maze Of Minos
Mythological lore; ages 10 to adult
Macintosh LC or larger; 2 MB of free RAM; 256-color display; System 7.0 or later; CD-ROM drive.
$59.95 retail
Westwind Media; RR #5, Box 5833; Lake Ariel, PA 18436; 717-937-3000, 800-937-8555 or 717-937-3200 (fax)

Hidden Agenda: Scholastic Edition
Social studies simulation; grades 9 to 12
Macintosh 512K or larger.
$29.95 retail
Scholastic Software; 555 Broadway; New York, NY 10012; 800-541-5513 or 314-635-5881 (fax)

History Of Country Music
Provides a cultural and historical examination of country music
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

History Of The Blues
Explore the richness of this special musical style
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

History Of The World
Complete and authoritative world history reference on CD-ROM
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive.
$79.95 retail; limited time special
$125 retail; annual updates
Bureau of Electronic Publishing, Inc.; 141 New Rd.; Parsippany, NJ 07054; 201-808-2700, 800-828-4766 or 201-808-2676 (fax)

■ **Homemapper**
Interactive teaching about the home
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later; HyperCard 2.0 or later.
Using the same powerful tools found in Weathermapper and Bodymapper, Homemapper encourages children to think about living spaces and homes. Children will explore the home and the surrounding areas as they collect, read, write and record information about their own personal environment. Activities include: comparing rooms of today with rooms in homes 100 years ago; identifying common safety hazards; what common household materials are recycleable; and choosing foods for a balanced diet.
$65 retail; single copy
$299 retail; site license
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

Hometown, U.S.A.
Design and build custom buildings patterned after those found in small towns
Macintosh 512K or larger; paint program that will open MacPaint files.
$39.95 retail
Publishing International; PO Box 70790; Sunnyvale, CA 94086; 408-738-4311 or 408-773-1791 (fax)

Hong Kong At Its Best
Discover all the highlights and secrets of Hong Kong
Macintosh LC or larger; 4 MB of RAM; color display; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
Compton's NewMedia, Inc.; 2320 Camino Vida Roble; Carlsbad, CA 92009; 619-929-2500 or 619-929-2511 (fax)

■ **Hop To It!**
Students learn numbers and correct order; grades K to 3
Macintosh II or larger; 2 MB of RAM; System 6.0.5 or later; hard disk drive; color monitor recommended.
Hop to It! teaches students to send a bunny along a number line to collect objects by making the correct numerical expression. Students tell the bunny how far, in what direction and in what order the object must be collected. On another planet, students make Stanley the Astronaut collect objects in a particular order or, on a different level, collect those objects using only given numbers.
$79 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Hot Dog Stand
Survival math skills; grades 6 to adult
Macintosh Plus or larger; 1 MB of RAM.
$99 retail
$595 retail; network version (site license available)
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

The House; At The Zoo
Interactive picture books
Macintosh Plus or larger; HyperCard.
$39.95 each retail; French, Spanish, German or ESL versions
Gessler Educational Software; 55 W. 13th St.; New York, NY 10011; 212-627-0099 or 212-627-5948 (fax)

How Computers Work
Past, present and future of the computer
Macintosh LC, II or larger; 4 MB of RAM; 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$79.99 retail
Time Warner Interactive; 2210 W. Olive Ave.; Burbank, CA 91506; 818-955-9999, 800-482-3766 or 818-955-6499 (fax)

■ **How The West Was One + Three x Four**
Students learn arithmetic expressions
Macintosh LC or larger; 2.5 MB of RAM; hard disk drive required.
In How the West Was One + Three x Four, students race a locomotive and stagecoach in an Old West setting along a number trail. Given three random numbers and by using +, —, x, / and () to construct arithmetic expressions, students try to make their biggest move, bump their opponent, take a shortcut or jump to the next town. Limited to using each number and operation once per turn, students must use their problem-solving skills to arrive at the answer for their best move.
$79 retail
$475 retail; Network version, site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

How Things Grow
Multimedia introduction to understanding living and growing things
Color Macintosh; 2.5 MB of free memory; 13-inch or larger monitor; System 7.0 or later; QuickTime-compatible CD-ROM drive.
$39.95 retail
Interactive Publishing Corp.; 300 Airport Executive Park; Spring Valley, NY 10977; 914-426-0400 or 914-426-2606

How To Create Your Own Personal Intelligence Agency For Fun & For Profit
Learn the techniques of intelligence and espionage
Macintosh Plus or larger; hard disk drive with 3.5 MB of free space; Hypercard 1.2.5 or later.
$39.95 retail
Servando Gonzalez; 1906 Roys Ln.; Mobile, AL 36605; 205-473-6647

How To Fertigate
Botany, biology and agricultural courseware series
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$350 retail
EduSelf/Tech Pubs Hal, Inc.; 82 Park Ave.; Rutherford, NJ 07070; 201-507-0030 or 201-507-0192 (fax)

■ **Human Anatomy**
Study guide of the human body
Macintosh LC III or larger; System 7.0 or later; videodisc player or CD-ROM drive.
Human Anatomy is a multimedia program designed for use in the study and review of gross anatomy. Features include more than 9,000 photographic images of the human body at various stages of dissection as performed in medical schools. The images are accompanied by textual descriptions of dissection methods and anatomical structures. References to commonly used Netter's, Grant's and Rohen/Yokochi's atlases are also included. Review and comprehension of materials is facilitated by three testing options: the flash utility provides controlled review of material; the self-assessment utility generates tests using a collection of more than 48,000 questions; and the formal testing feature offers "practicum" questions taken from the content authors' 58 years experience of teaching gross anatomy. Human Anatomy is available for CD-ROM and laserdisc/computer workstations. Optional use of the content authors' 250-page manual and bar-code manual is available.
$1,500 suggested retail; site license available
Gold Standard Multimedia Inc.; 235 S. Main St., Ste. 115; Gainesville, FL 32601; 904-373-1100, 800-375-0943 or 904-373-7124 (fax)

Hyper Grammaire
Complete French grammar on HyperCard
Macintosh Plus or larger; hard disk drive or 1400K drive; HyperCard 1.2.2 or later.
$45 or 225 Francs retail
La Ferme; La Petite Eguille; 17600 Saujon, France; 33-46-22-84-31 or 33-46-22-91-38 (fax)

■ **HyperBrain 5.0**
Neuroscience education
Macintosh Plus or larger; 2 MB of RAM; 20 MB of free hard disk space; HyperCard 2.1 or later.
HyperBrain is a HyperCard application designed to be the core resource for neuroscience education. HyperBrain may be linked interactively to either the Slice of Life or Slice of Brain videodiscs or may be used independently. HyperBrain is designed to expand as new modules are developed. The program consists of a series of 14 chapters that are linked to a syllabus of more than 750 images and a glossary of more than 1,400 illustrations. Each chapter is followed by a quiz with images and learning responses for each correct and incorrect answer. Mid-term and final "practical" exams are provided from a bank of 500 images and 150 questions. HyperBrain also contains an index (linked to the Bassett Stereoscopic Atlas) of 8,500 images of gross and microscopic neuroanatomy, neuropathology and neuroradiology. Students can access atlas material, as well as animated reflex diagrams or the neuroscience portion of the videodisc index. The program has the built-in option for instructors to track student mastery of subject matter.
$300 retail; single user
$600 retail; site license
Slice of Life; Eccles Health Sciences Library; University of Utah, Bldg. 589; Salt Lake City, UT 84112; 801-585-2737 or 801-585-2623 (fax)

HyperCard Projects For Kids
Discover ways to use HyperCard as a tool for learning.
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$29.95 retail; Book and Disk
$199.95 retail; Lab pack (10)
$299.95 retail; Lab pack (20)
$399.95 retail; Lab pack (30)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

HyperCard Projects For Teachers
Learn to develop interactive HyperCard stacks
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$29.95 retail; Book and Disk
$299.50 retail; Teacher Training Pack (10 books & disks plus free instructor's copy)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

HyperFlashcards
Flashcard drills in grammar and composition
Macintosh Plus or larger; HyperCard 1.2; printer recommended.
$29.95 retail
Chariot Software Group; 3659 India St., Ste. 100; San Diego, CA 92103; 619-298-0202, 800-242-7468 or 619-491-0021 (fax)

HyperFrance
Lets users discover France
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; HyperCard 2.0.
$124.95 retail
Lingo Fun, Inc.; PO Box 486; Westerville, OH 43081; 614-882-8258, 800-745-8258 or 614-882-2390 (fax)

HyperGlot Software Co. Foreign-Language Stacks
French, German, Italian, Russian, Spanish, Chinese and Japanese courseware
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; HyperCard 2.x or later; System 6.0.7 or later.
$49.95 each retail; French, German, Italian, Russian, Japanese or Spanish Word Torture
$49.95 each retail; French or Spanish Pronunciation Tutor
$59.95 each retail; Chinese or German Pronunciation Tutor
$79.95 retail; Russian Noun Tutor
$59.95 retail; Russian Verbal Aspect
$39.95 retail; Introduction To Russian
$59.95 each retail; French, German, Italian or Spanish Tense Tutor
$59.95 retail; Chinese Writing Tutor
HyperGlot Software Co., Inc.; PO Box 10746; Knoxville, TN 37939; 615-558-8270, 800-726-5087 or 615-588-6569 (fax)

■ **HyperHeart**
Teaches five subject areas of the heart
Macintosh Plus or larger; 2 MB of RAM; 4.5 MB of free hard disk space; HyperCard 2.1 or later.
HyperHeart is a multimedia program that links interactively to the Slice of Life videodisc or functions as a stand-alone piece of instructional software. HyperHeart teaches five basic subject areas of the heart: embryology; anatomy; physiology; pathology; and clinical diagnosis. HyperHeart presents, in dynamic function, the physical actions, pressure changes and heart sounds, including pathological sounds and electro-potential changes. HyperHeart allows both students and instructors to add, edit and make quizzes and notes (using the institutional version). Additionally, the program is designed to track student progress and scores and E-mail communications to instructors and other students. Instructors can also make lecture-type presentations. HyperHeart is available in two versions. The smaller student version includes all instructional sections, however, it does not offer note-taking or quiz-making capability, nor does it run the videodisc. The institutional version has full videodisc driving capacity, as well as all of the other listed options.
$35 retail; student version
$250 retail; institutional version
$525 retail; site license
Slice of Life; Eccles Health Sciences Library; University of Utah, Bldg. 589; Salt Lake City, UT 84112; 801-585-2737 or 801-585-2623 (fax)

HyperHebrew
Introduces Hebrew language basics with digitized speech
Macintosh Plus or larger; HyperCard.
$39.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

■ **HyperHistology**
Electronic teaching assistant for a laboratory course in normal human histology
Macintosh Plus or larger; 1.5 MB of RAM; 8 to 10 MB of free hard disk space; HyperCard 2.0 or later.
HyperHistology is an interactive HyperCard program that provides an "electronic" teaching assistant for a laboratory course in normal human histology.

Students can utilize HyperHistology at their own pace and schedule both in and out of the lab. The program may be operated as a stand-alone instructional tool or may be linked to a videodisc player to drive the Slice of Life videodisc. When combined, HyperHistology gives users the ability to access more than 1,000 images from the videodisc in four applications: HistoAtlas, Robo TA, VideoExam and HistoFlash. An additional instructional shell, LectureExam, gives users the opportunity for self-testing of material in the course. Both VideoExam and LectureExam stacks allow faculty to prepare their own tests.
$150 retail
$300 retail; site license
Slice of Life; Eccles Health Sciences Library; University of Utah, Bldg. 589; Salt Lake City, UT 84112; 801-585-2737 or 801-585-2623 (fax)

I Can Play Too!
Uses digitized speech for communication while playing games
Macintosh Plus or larger; 2 MB of RAM; 5 MB of hard disk drive space; HyperCard 2.0 or later.
$89 retail
Mayer-Johnson Co.; PO Box 1579; Solana Beach, CA 92075; 619-550-0084 or 619-550-0449 (fax)

The I Know Math Disc
Multimedia mathematics application program
Macintosh LC or larger; 2 MB of RAM; CD-ROM drive.
$595 retail; single station
$2,000 retail; network
$1,500 retail; lab pack
Interactive Knowledge, Inc.; 1100 S. Mint St., Ste. 209; Charlotte, NC 28203; 704-344-0055, 800-344-1502 or 704-344-1505 (fax)

Idea To Published Article
Writing curriculum that provides practice in the four major writing domains; grades 7 to 12
Macintosh Plus or larger; 1 MB of RAM; HyperCard 2.0 or later.
$80 retail
Full Circle Media; 25 Valley View Ave.; San Rafael, CA 94901; 415-453-9989

IEPWorks
Special education authoring tool
Macintosh Plus or larger; 2 MB of RAM; hard disk drive recommended; ClarisWorks.
$95 retail; includes a site license and teacher's guide (specify K-6, 6-9, HS-Adult)
K-12 MicroMedia Publishing, Inc.; 6 Arrow Rd.; Ramsey, NJ 07446; 201-825-8888, 800-292-1997 or 201-825-0582 (fax)

Igor Stravinsky: The Rite Of Spring CD Companion, By Robert Winter
Exploration of Stravinsky's ballet score
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; CD-ROM drive; HyperCard 2.0.2 or later; System 6.0.5 or later; speakers or headphones if CD-ROM drive is external.
$79.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

Illustrated Civil War
Presents detailed illustrations of camp life and battles in action
Macintosh LC or larger; 2 MB of RAM; color or gray-scale monitor; System 6.0.7 or later; CD-ROM drive.
$29 retail
IT Makers; PO Box 730152; San Jose, CA 95173; 408-274-8669

Illustrated Facts: How The World Works
General interest/reference; ages 8 to adult
Macintosh with 68030 processor or larger; 2 MB of free RAM; 2 MB of free hard disk space; 8-bit, 256 colors (640 by 480); System 7.0 or later; CD-ROM drive.
$39.95 retail
Xiphias; 8758 Venice Blvd.; Los Angeles, CA 90034; 310-841-2790, 800-421-9194 or 310-841-2559 (fax)

Illustrated Facts: How Things Work
General interest/reference; ages 8 to adult
Macintosh with 68030 processor or larger; 2 MB of free RAM; 2 MB of free hard disk space; 8-bit, 256 colors (640 by 480); System 7.0 or later; CD-ROM drive.
$39.95 retail
Xiphias; 8758 Venice Blvd.; Los Angeles, CA 90034; 310-841-2790, 800-421-9194 or 310-841-2559 (fax)

Improving Your Job & Career Prospects
Career preparation
Macintosh Plus or larger; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Inca Ruins: A Royal Geographical Society Electronic Guide
Witness the fall of the Inca's sophisticated empire in the Andes Mountains
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 12- or 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

The Indian Monsoon: A Sierra Club Electronic Guide
Explore this fascinating natural phenomenon
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 12- or 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

Infodesk—The Random House Encyclopedia
Reference tool
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0 or later.
$69.95 retail
Microlytics, Inc.; 2 Tobey Village Office Park; Pittsford, NY 14534; 716-248-9150, 800-828-6293 or 716-248-3868 (fax)

Inform
Speaking, listening and reading program for English as a Second Language students
Macintosh Plus or larger; 4 MB of RAM; color monitor (640 by 480 by 256 colors); System 7.0 or later; CD-ROM drive.
$320 per disc retail
DynEd International, Inc.; 989 E. Hillsdale Blvd., Ste. 130; Foster City, CA 94404; 800-765-4375, 415-578-8067 or 415-578-8069 (fax)

InnerBodyWorks
Learn about the functions and interconnections of human body systems; grades 4 to 12
Macintosh Plus or larger; 1 MB of RAM.
$149.95 each retail
Tom Snyder Productions, Inc.; 80 Coolidge Hill Rd.; Watertown, MA 02172; 617-926-6000, 800-342-0236 or 617-926-6222 (fax)

Integrated Language Arts — Primary Level
Develops and strengthens language skills in young students
Macintosh LC or larger.
Call for pricing
Jostens Learning Corp.; 6170 Cornerstone Ct. E; San Diego, CA 92121; 619-587-0087, 800-521-8538 or 619-587-1629 (fax)

IntelliPics
Allows adults to create activities and children to explore the fun of learning
Macintosh Plus or larger.
$49.95 retail
IntelliTools, Inc.; 5221 Central Ave., Ste. 205; Richmond, CA 94804; 510-528-0670, 800-899-6687 or 510-528-2225 (fax)

■ **Interactive Business English**
Builds workplace language and vocabulary
Macintosh Plus or larger; 4 MB of RAM; color monitor (640 by 480 by 256 colors); System 7.0 or later; CD-ROM drive.
Interactive Business English gives pre-intermediate level students just the practice they need to build their workplace language and vocabulary and operate successfully in today's employment world. Focusing on language structures and concepts, such as past tense, passive voice, specification, sequence and modality, each of IBE's six discs presents immediately useful language in a realistic international business context. The entire course provides about 100 hours of intensive interactive work. Discs include: Company Description, Job History, Manufacturing & Trade, Product Comparisons, Overseas Assignment and Future Consequences.
$235 per disc retail; English only
$285 per disc retail; bilingual
DynEd International, Inc.; 989 E. Hillsdale Blvd., Ste. 130; Foster City, CA 94404; 800-765-4375, 415-578-8067 or 415-578-8069 (fax)

Interactive Nova: Animal Pathfinders
Science education; grades 5 to 12
Macintosh Plus or larger; 20 MB or larger hard disk drive; videodisc player; color video monitor (composite type).
$395 retail
Scholastic Software; 555 Broadway; New York, NY 10012; 800-541-5513 or 314-635-5881 (fax)

■ **Interactive Nova: Earth**
Earth science
Macintosh LC or larger; 4 MB of RAM; 2 MB of available hard disk space; 12-inch monitor or larger (256 colors); System 7.0 or later; videodisc player with serial port.
What makes the Earth a good home? Students will encounter thought-provoking questions like this one in Interactive Nova: Earth. Using NASA's new integrated approach to Earth science, students will explore how air, land and water interact to support life on Earth. Interactive Nova: Earth includes high-interest video stories that will capture students' attention and fuel classroom discussion. Once a class is introduced to the subject at hand on the videodisc, they gain a deeper understanding through the multimedia computer activities, map investigations, extensive lesson plans, hands-on experiments and remarkable still and video footage. Interactive Nova: Earth has a modular design that enables teachers to tailor the product to their classroom needs.
$495 retail; Level III Mac version
$295 retail; Level I Videodisc
Scholastic Software; 555 Broadway; New York, NY 10012; 800-541-5513 or 314-635-5881 (fax)

Interactive Nova: Race To Save The Planet
Science education; grades 5 to 12
Macintosh Plus or larger; 20 MB hard disk drive; videodisc player; color video monitor (composite type); System 6.0.5 or later.
$395 retail
Scholastic Software; 555 Broadway; New York, NY 10012; 800-541-5513 or 314-635-5881 (fax)

Interactive Nova: The Miracle Of Life
Science and health; grades 9 to 12
Macintosh Plus or larger; 20 MB or larger hard disk drive; videodisc player; color video monitor (composite type).
$395 retail
Scholastic Software; 555 Broadway; New York, NY 10012; 800-541-5513 or 314-635-5881 (fax)

Interactive Physics II
A complete motion lab on the computer
Macintosh Plus or larger; 2 MB of RAM (2.5 MB with System 7); hard disk drive; System 6.0.5 or later.
$249 retail
$695 retail; five pack
$995 retail; 10 pack
Knowledge Revolution; 66 Bovet Road, Ste. 200; San Mateo, CA 94402; 415-574-7777, 800-766-6615 or 415-574-7541 (fax)

Interactive Storytime
Interactive fables
Macintosh II or larger; 2.5 MB of RAM; 12-inch or larger color monitor; System 6.0.7 or later; speakers; headphones; CD-ROM drive.
$49.95 per volume retail
Interactive Publishing Corp.; 300 Airport Executive Park; Spring Valley, NY 10977; 914-426-0400 or 914-426-2606

International Herald Tribune Guide To Business Travel In Europe
Comprehensive guide for business travelers
Macintosh LC or larger; 4 MB of RAM; color display; System 6.0.7 or later; CD-ROM drive.
$29.95 retail
Compton's NewMedia, Inc.; 2320 Camino Vida Roble; Carlsbad, CA 92009; 619-929-2500 or 619-929-2511 (fax)

International Inspirer 2.0
World geography game designed for groups; grades 5 to 12
Macintosh Plus or larger; 1 MB of RAM.
$149.95 retail
Tom Snyder Productions, Inc.; 80 Coolidge Hill Rd.; Watertown, MA 02172; 617-926-6000, 800-342-0236 or 617-926-6222 (fax)

International Travel Guide: Europe
Source of international information
Macintosh Plus or larger; HyperCard 2.0.
$50 retail
The Flexible Learning Co.; 15 Longpoles Rd.; Cranleigh, Surrey, England GU6 7JZ; (0) 483-277020

Intersegt V1.0
Visual demonstration of finding line segment intersections
Macintosh Plus or larger; System 6.0 or later.
$25 retail; site licenses available
The Vermont Software Co., Inc.; PO Box 731; Wells River, VT 05081; 802-757-8000 or 802-757-3234 (fax)

Introduction To Fertilization
Botany, biology and agricultural courseware series
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$250 retail
EduSelf/Tech Pubs Hal, Inc.; 82 Park Ave.; Rutherford, NJ 07070; 201-507-0030 or 201-507-0192 (fax)

Iraq Stack
Hypermedia software on Gulf War
Macintosh Plus or larger; HyperCard 1.2 or later.
$19.95 retail
Techware, Inc.; PO Box 151085; Altamonte Springs, FL 32715; 407-695-9000 or 800-347-3224

Irrigation Systems
Botany, biology and agricultural courseware series
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$300 retail
EduSelf/Tech Pubs Hal, Inc.; 82 Park Ave.; Rutherford, NJ 07070; 201-507-0030 or 201-507-0192 (fax)

ITN World News '92
Television news online
Macintosh LC or larger; 4 MB of RAM; System 6.0.7 or later; CD-ROM drive.
$99 retail
Media Design Interactive; The Old Hop Kiln; 1 Long Garden Walk; Farnham, Surrey GU9 7HP U.K.; 011-44-252-737630 or 011-44-252-710948 (fax)

JapanEase, Vol. 1 Katakana
Katakana tutor
Macintosh Plus or larger (excluding AV models); 1 MB of RAM; HyperCard 2.0 or later; System 6.0.5 or later.
$99.95 retail
Qualitas Trading Co.; 2029 Durant Ave.; Berkeley, CA 94704; 510-848-8080 or 510-848-8009 (fax)

JapanEase, Vol. 2 Hiragana/Grammar
Hiragana alphabet and Japanese grammar tutor
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.5 or later; HyperCard 2.0 or later.
$99.95 retail
Qualitas Trading Co.; 2029 Durant Ave.; Berkeley, CA 94704; 510-848-8080 or 510-848-8009 (fax)

Japanese Business Travel Guide
Comprehensive guide for business travelers
Macintosh LC or larger; 4 MB of RAM; color display; System 6.0.7 or later; CD-ROM drive.
$39.95 retail
Compton's NewMedia, Inc.; 2320 Camino Vida Roble; Carlsbad, CA 92009; 619-929-2500 or 619-929-2511 (fax)

Japanese Language Instruction: Kanji Exercises No. 1
Kanji instruction
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; HyperCard.
$65 retail
Anonae Software; PO Box 7629; Berkeley, CA 94707; 510-527-8006

Japanese Language Instruction; Hiragana/ Katakana Exercises
Assists in the reading, writing and comprehension of the Japanese language
Macintosh Plus or larger; two 800K disk drives or hard disk drive; HyperCard.
$45 retail
Anonae Software; PO Box 7629; Berkeley, CA 94707; 510-527-8006

Jazz: A Multimedia History
Comprehensive musical reference piece
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$99.95 retail
Ebook, Inc.; 32970 Alvarado-Niles Rd., Ste. 704; Union City, CA 94587; 510-429-1331 or 510-429-1394 (fax)

Jeux D'Images Multimedia
Learn to speak and read French
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$79 U.S. retail
EuroTalk Ltd.; 315/317 New Kings Rd.; London, England SW6 4RF; +44-71-371-7711 or +44-71-736-6447 (fax)

Jewish Holiday Stories
Jewish holiday tales
Macintosh Plus or larger; hard disk drive; HyperCard.
$29.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

JFK: History Maker
Learn about the 35th President
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$54.95 retail
MultiEducator Inc.; 244 North Ave.; New Rochelle, NY 10801; 914-254-4346, 800-866-6434 or 914-235-5131 (fax)

Joshua's Reading Machine Premium Pack
Reading
Macintosh 512K or larger.
$59.95 retail
$129.95 retail; lab pack
$499.95 retail; network edition
$599.95 retail; site license
Compu-Teach, Inc.; 16541 Redmond Way, Ste. 137-C; Redmond, WA 98052; 800-448-3224 or 206-883-9169 (fax)

The Jostens Learning Research Center With Compton's MultiMedia Encyclopedia
Interactive resource
Macintosh LC or larger.
Call for pricing
Jostens Learning Corp.; 6170 Cornerstone Ct. E; San Diego, CA 92121; 619-587-0087, 800-521-8538 or 619-587-1629 (fax)

Journey To The Heart Of Japan
History and culture of Japan
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$69.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

Journey To The Planets
Explore the solar system
Macintosh II or larger; 4 MB of free RAM; 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$59.95 retail
Multicom Publishing, Inc.; 1100 Olive Way, Ste. 1250; Seattle, WA 98101; 206-622-5530 or 206-622-4380 (fax)

Jungle Quest
Basic math skills; ages 5 to 12
Macintosh Plus or larger; 1 MB of RAM (2 MB with System 7); hard disk drive; System 6.0.5 or later; HyperCard 2.0 (included).
$59.95 retail
Nordic Software, Inc.; PO Box 6007; Lincoln, NE 68506; 402-488-5086 or 402-488-2914 (fax)

Junior High Writing Series
Language arts; grades 6 to adult
Macintosh Plus or larger; hard disk drive recommended; System 6.0 or later.
$229 retail
$595 retail; lab pack (six)
$999 retail; network
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

Just Grandma And Me
Living Book
Macintosh LC or larger; 4 MB of RAM; 8-bit color card; CD-ROM drive; System 6.0.7 or later.
$40 to $50 retail
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

KanjiCard
Kanji study program
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later; CD-ROM drive.
$195 retail
Qualitas Trading Co.; 2029 Durant Ave.; Berkeley, CA 94704; 510-848-8080 or 510-848-8009 (fax)

KanjiMaster
Foreign language software
Macintosh Plus or larger; hard disk drive; HyperCard 2.x or later; System 6.0.7 or later.
$149.95 retail
HyperGlot Software Co., Inc.; PO Box 10746; Knoxville, TN 37939; 615-558-8270, 800-726-5087 or 615-588-6569 (fax)

KanjiSama
Complete Kanji reference tool
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; KanjiTalk 6.0.3 or later.
$149 retail
Sanbi Software Co.; 3594 Crowell Ave.; Riverside, CA 92504; 714-352-0276 (phone/fax)

■ **Kap'n Karaoke**
Interactive multimedia program that entertains through both music and computers
Macintosh LC or larger.
Kap'n Karaoke is an interactive multimedia program designed to entertain through both music and computers. It includes 15 children's titles, like "Twinkle, Twinkle, Little Star" and "Pop! Goes the Weasel," as well as five adult songs, including "We Will Rock You" and "New York, New York." The unique interface of Kap'n Karaoke includes several primary colors (bright reds, blues and yellows). The program allows children to control the speed, volume and pitch of songs as they play on the computer with colorful icons.
$49.95 retail

WordPerfect, The Novell Applications Group; 1555 N. Technology Way; Orem, UT 84057; 801-225-5000, 800-451-5151 or 801-228-5377 (fax)

Karel Genie
Programming environment for introductory computer science students
Macintosh 512K or larger; hard disk drive.
$25 retail; site licenses available
Chariot Software Group; 3659 India St., Ste. 100; San Diego, CA 92103; 619-298-0202, 800-242-7468 or 619-491-0021 (fax)

The Kemeny/Kurtz Math Series
Lets students explore the fundamental concepts of mathematics
Macintosh Plus or larger.
$79.95 each retail; Algebra, Pre-Calculus with Trigonometry, Calculus, Discrete Math, Probability Theory, TrueStat
True BASIC, Inc.; 12 Commerce Ave.; West Lebanon, NH 03784; 800-436-2111

Keyboard Arpeggios
Reviews keyboard arpeggio performance and fingerings
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI interface; MIDI keyboard.
$99.95 retail
$500 retail; network license
$700 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Keyboard Blues
Presents simple blues chords
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI interface; MIDI keyboard.
$99.95 retail
$500 retail; network license
$700 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Keyboard Chords
Presents qualities of simple chords
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI interface; MIDI keyboard.
$99.95 retail
$500 retail; network license
$700 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Keyboard Extended Jazz Harmonies
Teaches students to identify and build 9th, 11th and 13th chords
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI interface; MIDI keyboard.
$99.95 retail
$500 retail; network license
$700 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Keyboard Fingerings
Reviews standard and special fingerings for the major, natural minor and harmonic minor scales
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI interface; MIDI keyboard.
$99.95 retail
$500 retail; network license
$700 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Keyboard Histology Series
Histology education and reference systems
Macintosh Classic or larger; 2 MB of free RAM; HyperCard 2.1 (included); gray-scale or color monitor for best display of micrographs; System 6.0.7 or later; CD-ROM drive.
$280 retail; Histology TextStack ($600 retail; five-station site license)
$300 retail; Histology VideoIndex ($600 retail; five-station site license)
$500 retail; Histology: A Photographic Atlas videodisc
Keyboard Publishing, Inc.; 482 Norristown Rd., Ste. 111; Blue Bell, PA 19422; 610-832-0945, 800-945-4551 or 610-832-0948 (fax)

Keyboard Histology VideoReview
Complete basic course in histology using the Slice of Life videodisc
Macintosh Plus or larger with a SuperDrive; hard disk drive; System 6.0.7 or later; HyperCard 2.1; videodisc player.
$220 retail; Histology VideoReview ($495 for five-station site license)
$300 retail; Slice of Life VI Videodisc
Keyboard Publishing, Inc.; 482 Norristown Rd., Ste. 111; Blue Bell, PA 19422; 610-832-0945, 800-945-4551 or 610-832-0948 (fax)

Keyboard Intervals
Learn to play major, minor, diminished and augmented intervals
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI interface; MIDI keyboard.
$99.95 retail
$500 retail; network license
$700 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Keyboard Jazz Harmonies
Teaches chord symbols, 7th chord recognition and chord spelling
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI interface; MIDI keyboard.
$99.95 retail
$500 retail; network license
$700 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Keyboard Kapers
Piano keyboard games
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI interface; MIDI keyboard.
$59.95 retail
$300 retail; network license
$420 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Keyboard Merck Manual TextStack
Electronic edition of the world's best-selling medical reference
Macintosh Plus or larger with a SuperDrive; 2 MB of free RAM; hard disk drive; System 6.0.7 or later; HyperCard 2.1 or later; CD-ROM player for CD version.
$220 retail
$550 retail; five-station site license
Keyboard Publishing, Inc.; 482 Norristown Rd., Ste. 111; Blue Bell, PA 19422; 610-832-0945, 800-945-4551 or 610-832-0948 (fax)

Keyboard Microbiology Series
Microbiology education and reference system
Macintosh Plus or larger with a SuperDrive; hard disk drive; System 6.0.7 or later; HyperCard 2.1; videodisc player with RS-232 connector; video monitor.
$280 retail; TextStack ($600 for five-station site license)
$195 retail; VideoIndex ($495 for five-station site license)
$220 retail; QuizBank Volume 1 ($550 for five-station site license)
$220 retail; QuizBank Volume 2 ($550 for five-station site license)
$300 retail; Slice of Life VI Videodisc
Keyboard Publishing, Inc.; 482 Norristown Rd., Ste. 111; Blue Bell, PA 19422; 610-832-0945, 800-945-4551 or 610-832-0948 (fax)

Keyboard Namegame
Teaches note position in the treble and bass clef
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI interface; MIDI keyboard.
$59.95 retail
$300 retail; network license
$420 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Keyboard Note Drill
Increases speed in identifying notes randomly placed on the bass and treble staves
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI interface, MIDI keyboard.
$59.95 retail
$300 retail; network license
$420 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Keyboard Pathology Series
Pathology educational and reference system
Macintosh Plus or larger with a SuperDrive; 2 MB of free RAM; hard disk drive; HyperCard 2.1 or later; videodisc player with RS-232 interface; video monitor; System 6.0.7 or later.
$240 retail; TextStack ($600 for five-workstation site license)
$240 retail; QuizBank Volume 1 ($600 for five-station site license)
$210 retail; QuizBank Volume 2 ($550 for five-station site license)
$180 retail; VideoIndex ($420 for five-workstation site license)
$300 retail; Slice of Life VI Videodisc
Keyboard Publishing, Inc.; 482 Norristown Rd., Ste. 111; Blue Bell, PA 19422; 610-832-0945, 800-945-4551 or 610-832-0948 (fax)

Keyboard Speed Reading
Timed drill
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI interface; MIDI keyboard.
$99.95 retail
$500 retail; network license
$700 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Keyboard Stack Creator
Expanded lesson building tool
Macintosh Plus or larger; hard disk drive; System 6.0.7 or later; HyperCard 2.1.
$165 retail
Keyboard Publishing, Inc.; 482 Norristown Rd., Ste. 111; Blue Bell, PA 19422; 610-832-0945, 800-945-4551 or 610-832-0948 (fax)

Keyboard Tutor
Elementary keyboard skills
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI optional (MIDI interface, MIDI keyboard).
$59.95 retail
$300 retail; network license
$420 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Kid Cuts
Arts and crafts for kids
Macintosh Plus or larger; 1 MB of RAM (2 MB with System 7) for monochrome; 2 MB of RAM (4 MB with System 7) for color; System 6.0.5 or later.
$29.95 approximate retail
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

■ **Kid McGee**
Creative activities
Macintosh LC or larger; 1 MB of RAM; hard disk drive with 1.5 MB of free space; 8-bit color (256 colors); installed copy of Kid Pix or Kid Works 2.

A child's imagination will soar with Kid McGee, an electronic activity book that features the colorful characters from the McGee series. Kid McGee provides a wide variety of activities for hours of fun. Features include: coloring book, paint-by numbers, disguises, complete-the-picture, background scenery and mugshots. Kid McGee expands the usage of Kid Works 2 and Kid Pix, and sparks creativity and imagination.
$29.95 retail
Lawrence Productions, Inc.; 1800 S. 35th St.; Galesburg, MI 49053; 616-665-7075, 800-421-4157 or 616-665-7060 (fax)

Kid's Studio
Multimedia storymaking application; ages 6 to adult
Macintosh LC or larger; 4 MB of RAM; 7 MB of free hard disk space; 256-color monitor; System 7.0 or later.
$59.95 retail
CyberPuppy Software, Inc.; PO Box 19500; Rochester, NY 14619; 716-436-3570, 800-787-2983 or 716-436-2783 (fax)

Kid's Zoo
Introduces young children to nature
Macintosh with 2 MB of free RAM; hard disk drive with 9.2 MB of free space; high-density floppy disk drive; 256 colors or levels of gray; System 6.0.7 or later.
$69.95 retail
Knowledge Adventure; 4502 Dyer St.; La Crescenta, CA 91214; 818-542-4200, 800-542-4240 or 818-541-0205 (fax)

KidDesk
Allows kids to easily launch their own programs without giving them access to the Finder; ages 3 and up
Macintosh Plus or larger; 1 MB of RAM (2 MB for color; 4 MB for System 7); hard disk drive; System 6.0.7 or later; TouchWindow and printer optional.
$39.95 retail
$54.95 retail; Education Version
Edmark Corp.; 6727 185th Ave. NE; PO Box 3218; Redmond, WA 98073; 206-556-8484 or 206-556-8998 (fax)

KidMaps
95 maps of the world and USA for fun and study
Macintosh Plus or larger.
$29 retail
Cartesia Software, Inc.; PO Box 757; Lambertville, NJ 08530; 609-397-1611, 800-334-4291 or 609-397-5724 (fax)

KIDS (Keyboard Introductory Development Series)
Music series for the very young
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI interface; MIDI keyboard.
$79.95 retail
$400 retail; network license
$560 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Kids In History: How Kids Have Changed Over The Past 100 Years
For kids, about kids
Macintosh LC or larger; 5 MB of RAM; 5 MB of free hard disk space; 256-color graphics; double-speed CD-ROM drive.
$39.98 retail
MPI Multimedia; 5525 W. 159th St.; Oak Forest, IL 60452; 708-535-1540, 800-777-2223 or 708-535-1541 (fax)

KidsMath
Basic math concepts; ages 3 to 8
Macintosh Plus or larger.
$49.95 retail; Lab Packs are available
Great Wave Software; 5353 Scotts Valley Dr.; Scotts Valley, CA 95066; 408-438-1990 or 408-438-7171 (fax)

KidsTime Deluxe
Five educational games for young children (ages 3 to 8)
Macintosh Plus or larger; 2 MB of RAM; System 6.0.7 or later; hard disk drive.
$49.95 retail; Lab Packs are available
Great Wave Software; 5353 Scotts Valley Dr.; Scotts Valley, CA 95066; 408-438-1990 or 408-438-7171 (fax)

Kieran
Eight educational learning games for preschoolers
Any Macintosh.
$39.95 retail
OHM Software; 98 Long Pasture Way; Tiverton, RI 02878; 401-253-9354 or 800-346-9034

King Of Space
Hypertextual novel
Macintosh Plus or larger; hard disk drive.
$24.95 retail
Eastgate Systems, Inc.; PO Box 1307; Cambridge, MA 02238; 617-924-9044, 800-562-1638 or 617-923-4575 (fax)

■ **The Language Activities Of Daily Living Series**
Vocabulary fun for those with special needs
Any Macintosh.
My House, My Town and My School offer exciting exploratory environments in which children and adults with special needs can learn about the objects and activities they encounter in their daily routines. These programs are not only fun to use, they build functional vocabulary and increase independence. Each program features six scenes, within each scene there are four activities designed to increase understanding of object names and their descriptions. Each program contains more than 100 objects. Users can train on all of the objects in a particular setting or select specific items to be targeted. Interface options include the keyboard, mouse, TouchWindow or a single switch.
$200 retail
Laureate Learning Systems, Inc.; 110 E. Spring St.; Winooski, VT 05404; 802-655-4755, 800-562-6801 or 802-655-4757 (fax)

Language Discovery
Learn 1,000 words in English, French, German and Spanish
Color Macintosh; 13-inch monitor; 500K VRAM; System 7.0 or later; CD-ROM drive.
$49.95 retail
Applied Optical Media Corp.; 1450 Boot Rd., Bldg. 400; West Chester, PA 19380; 215-429-3701, 800-321-7259 or 215-429-3810 (fax)

Language Explorer
Colorful game builds vocabulary in English, French, German and Spanish; ages 5 to adult
Color Macintosh; 1 MB of RAM; hard disk drive; System 6.0.8 with 32-bit QuickDraw or System 7.
$57.95 retail; disk version
$77.95 retail; CD-ROM version
Nordic Software, Inc.; PO Box 6007; Lincoln, NE 68506; 402-488-5086 or 402-488-2914 (fax)

Laserguides And Laserstacks
Turns the still photos and motion pictures stored on a videodisc into a vast visual database
Macintosh Classic or larger; 2 MB of RAM; HyperCard 2.1 or later; System 6.0.5 or later; laser videodisc player.
$59.95 to $99.95 each retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

Last Chance To See, By Douglas Adams and Mark Carwardine
Visit endangered species in their natural habitats, learn about many species' perilous state of survival and the efforts being made to save these animals
Macintosh LC or larger; 2 MB of RAM (4 MB for color); 8-bit video card (for 8-bit color) or 24-bit video card and QuickTime (for 24-bit color); CD-ROM drive; HyperCard 2.1 or later; System 6.0.7 or later.
$59.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

■ **Launch Pad**
Adult file protection while children enjoy computer use
Macintosh Plus or larger; 2 MB of RAM (4 MB for System 7); 4 MB of available hard disk space; microphone for recording.
Parents can protect their files and feel secure while their kids play on the computer. Kids have their own accounts and are free to use the programs that parents have approved, and parents know that their own files cannot be altered or removed. The Star of Launch Pad, Bingo the dog and his rocket car, escort kids through animated scenes filled with dinosaurs, an enchanted castle, a haunted house and more. These scenes help kids organize their computer materials, while in the background parents control the programs, accessories and documents they see. Launch Pad lets the family share the computer with confidence.
$29.99 retail
Berkeley Systems, Inc.; 2095 Rose St.; Berkeley, CA 94709; 510-540-5535, 800-877-5535 or 510-540-5115 (fax)

■ **Lazy Eye**
Simulates a wide variety of disorders in ocular motility and pupillary action
Macintosh Plus or larger; 2 MB of RAM; 1 MB of free hard disk space; System 6.0.7 or later; HyperCard 2.0 or later.
Lazy Eye is a highly-interactive HyperCard program that realistically simulates a wide variety of disorders in ocular motility and pupillary action. For each of the disorders simulated, Lazy Eye provides information concerning the clinical exam, motility, pupil response and anatomy. Using Lazy Eye, students/instructors can conduct simulated motor exams, test light and near reflexes and see the effects of various pharmacological agents on these disorders. Lazy Eye also includes six clinical cases upon which can be performed simulated exams to test understanding. Each exam sequence has a module that contains self-testing questions with feed back on all answers. Lazy Eye is designed to be a learning and review tool for students, residents and researchers in ophthalmology, optometry and neurology.
$65 retail
$100 retail; site license
Slice of Life; Eccles Health Sciences Library; University of Utah, Bldg. 589; Salt Lake City, UT 84112; 801-585-2737 or 801-585-2623 (fax)

The Lazy Eye
Neuro-ophthalmology simulation
Macintosh Plus or larger; 2 MB of free RAM; hard disk drive; System 6.0.7 or later; HyperCard 2.1.
$65 retail; site licenses are available
Keyboard Publishing, Inc.; 482 Norristown Rd., Ste. 111; Blue Bell, PA 19422; 610-832-0945, 800-945-4551 or 610-832-0948 (fax)

Leap System
Research grade, microcomputer-based laboratory for Biology, Chemistry and Applied Physics
Macintosh Plus or larger; 1 MB of RAM.
$1,295 retail; basic system
Quantum Technology, Inc.; PO Box 8252; Searcy, AR 72143; 501-742-3558

Learn About Animals
Science; grades K to 2
Macintosh LC or larger; 2 MB of RAM; color monitor.
$79 retail
$475 retail; network version (site license available)
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

■ **Learn About Dinosaurs**
Recreate prehistoric environment; grades K to 3
Any color Macintosh; 2 MB of RAM.
When using Learn About Dinosaurs, students investigate the habitats, size, food and prey of nine dinosaurs. They dig up fossils of a Tyrannosaurus and put them together to form its skelton. They can recreate a prehistoric environment in which dinosaurs lived, and write and print stories about it.
$79 retail
$475 retail; network version (site license available)

Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Learn About Insects
Science; grades K to 3
Macintosh LC or larger; 2 MB of RAM; color monitor.
$79 retail
$475 retail; network version (site license available)
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Learn About Plants
Science; grades 1 to 3
Macintosh LC or larger; 2 MB of RAM; color monitor.
$179 retail
$475 retail; network version (site license available)
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

■ **Learn About The Human Body**
Learn how the human body is constructed; grades K to 3
Any color Macintosh; 2 MB of RAM.
Learn About the Human Body gives students the opportunity to study the major organs in the body by making blood flow through the heart, the lungs breathe and the muscles flex. They also connect bones together to create a skeleton and build an understanding of how the body is constructed by peeling away each layer.
$79 retail
$475 retail; network version (site license available)
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

■ **Learn About The Night Sky**
Students learn and write about the solar system; grades K to 3
Any Macintosh with color monitor; 2 MB of RAM.
By using Learn About the Night Sky, students learn about planets, stars, comets and meteors. They take a voyage through the solar system and visit the moon and planets. Scenes can be created with planets, moons and constellations. Students can write and print stories about their celestial creations.
$79 retail
$475 retail; network version (site license available)
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Learn English With Astérix & Son
English study
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$149 per disc U.S. retail; two-disc series
EuroTalk Ltd.; 315/317 New Kings Rd.; London, England SW6 4RF; +44-71-371-7711 or +44-71-736-6447 (fax)

Learn English With Astérix & The Secret Weapon
Provide English study
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$149 per disc U.S. retail; two-disc series
EuroTalk Ltd.; 315/317 New Kings Rd.; London, England SW6 4RF; +44-71-371-7711 or +44-71-736-6447 (fax)

Learn To Speak French, English
French and English (from French, Spanish, English, Italian, Portuguese and Japanese) courses
Macintosh Plus or larger; hard disk drive; HyperCard 2.x or later; System 6.0.7 or later; CD-ROM drive.
$99 each retail
HyperGlot Software Co., Inc.; PO Box 10746; Knoxville, TN 37939; 615-558-8270, 800-726-5087 or 615-588-6569 (fax)

Learn To Speak Spanish 4.0
Spanish course
Macintosh LC III (68030/16) or larger; 4 MB of RAM; hard disk drive; CD-ROM drive; System 7.0 or later; microphone or MacRecorder (optional).
Learn to Speak Spanish is a complete course that emphasizes speaking and aural comprehension skills. The course features QuickTime video and audio of the native speakers, as well as cultural video of Mexico. A recording feature lets users record their voice and compare pronunciation to the native speaker. Learn to Speak Spanish has 30 lessons. Each lesson is centered around a situational setting and a dialog and contains vocabulary, setting, dialog and interactive exercises for both grammar and listening comprehension. Included with the course is a 350-page text/workbook containing the exercises from the course, as well as cultural and grammar notes.
$149 retail
HyperGlot Software Co., Inc.; PO Box 10746; Knoxville, TN 37939; 615-558-8270, 800-726-5087 or 615-588-6569 (fax)
FAX©NDEMAND 1-800-872-3293 **125**

Learning About Our Environment
Familiarizes students with our environment
Macintosh LC or larger; 2 MB of RAM; color monitor; CD-ROM drive.
$75 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Learning About Weather & Climate
Teaches the basic concept of our atmosphere
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM drive.
$75 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Learning All About Animals
Learn all about animals and animal classification
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM drive.
$95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Learning All About Cells & Biology
Examines the basic theories and questions that constitute the nucleus of modern biological science
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM drive.
$145 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Learning All About Dissection
Provides an introduction to animal dissection procedures
Macintosh LC or larger; 2 MB of RAM; color monitor.
$145 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Learning Styles Inventory
Assesses a student's preferred method or style of receiving and expressing information
Macintosh Plus or larger; HyperCard 1.2.2 or later.
$98 retail
Educational Activities, Inc.; PO Box 392; Freeport, NY 11520; 516-223-4666, 800-645-3739 or 516-623-9282 (fax)

The Legends Of OZ
100 years of the Wizard of OZ and the SillyOZbuls of OZ
Macintosh II or larger; 4 MB of free RAM; 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$59.95 retail
Multicom Publishing, Inc.; 1100 Olive Way, Ste. 1250; Seattle, WA 98101; 206-622-5530 or 206-622-4380 (fax)

■ **Let's Color…Dinosaurs**
Improves creativity; kids of all ages
Color Macintosh; 4 MB of RAM; System 6.0.8 or later; 1.4 MB floppy disk drive.
Let's Color…Dinosaurs is a computer coloring book software series that offers three different individual crayons to choose from for the "color-in" function, in addition to the "paint bucket" function. Users get 30 thrilling dinosaur scenes with wild sounds and a palette filled with 110 colors, 42 patterns and 38 textures. Scenes can be colored and then used over and over again. Let's Color…Dinosaurs features: 30 black and white dinosaur scenes to color; a sound to go with each scene; animated creatures that help users flip effortlessly through the scenes; reusable scenes; 80 patterns and textures; and print capabilities that allow users to either print a finished color picture (requires a color printer) or print a black and white picture to later color with real crayons.
$29.95 retail
Toto Computer Graphics, Inc.; 4065A N. Calhoun Rd., Ste. 101; Brookfield, WI 53005; 414-783-2400, 800-278-6861 (orders) or 414-783-2410 (fax)

Let's Visit France
A Tour of France
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Let's Visit Mexico
Interactive multimedia tour of Mexico
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Let's Visit South America
Visit Venezuela, Colombia, Ecuador, Peru, Bolivia, Chile and Argentina
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Let's Visit Spain
Interactive multimedia tour of Spain
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Letter Drop
Educational/entertainment game
Macintosh Plus or larger; 2 MB of RAM; 5 MB of free hard disk space; System 6.0.5 or later.
$49.95 retail
Centron Software, Inc.; 1500 Hwy. 15-501 N; Southern Pines, NC 28387; 910-692-2009, 800-848-2424 or 910-692-2173 (fax)

Life & Death
Interactive medical simulation
Macintosh Plus or larger; 1 MB of RAM; 800K disk drive.
$24.95 retail
The Software Toolworks; 60 Leveroni Ct.; Novato, CA 94949; 415-883-3000, 800-234-3088 or 415-883-3303 (fax)

The Life Cycle Of A Sea Lamprey
Marine Biology
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$59.95 retail; School version
$99.95 retail; Lab pack (five)
$149.95 retail; Lab pack (10)
$299.95 retail; Network version (one server, up to 30 stations)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

Life Science Investigations
Diverse computer activities designed to reinforce class instruction
Macintosh Plus or larger; 2 MB of RAM; ClarisWorks or Microsoft Works.
$95 retail; includes site license
K-12 MicroMedia Publishing, Inc.; 6 Arrow Rd.; Ramsey, NJ 07446; 201-825-8888, 800-292-1997 or 201-825-0582 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

Life Story
Biology and chemistry; grades 8 to college
Macintosh LC or larger; 4 MB of RAM; color monitor; CD-ROM drive.
$129 retail
$299 retail; with videodisc (site license available)
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

LifeMap Series
Explore evolution
Macintosh II family; 5 MB of RAM; 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$39.99 each retail
Time Warner Interactive; 2210 W. Olive Ave.; Burbank, CA 91506; 818-955-9999, 800-482-3766 or 818-955-6499 (fax)

LifeSaver2
Paramedics' first aid course; uses QuickTime video clips, narration and color pictures
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$99 retail
Media Design Interactive; The Old Hop Kiln; 1 Long Garden Walk; Farnham, Surrey GU9 7HP U.K.; 011-44-252-737630 or 011-44-252-710948 (fax)

Lifeskills CD
Collection of life skills material
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later; CD-ROM drive.
$495 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Listen!
English lessons for beginners
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$149 per disc U.S. retail
EuroTalk Ltd.; 315/317 New Kings Rd.; London, England SW6 4RF; +44-71-371-7711 or +44-71-736-6447 (fax)

Listen! Ten More Interactive English Lessons
English lessons for beginners
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$149 U.S. retail
EuroTalk Ltd.; 315/317 New Kings Rd.; London, England SW6 4RF; +44-71-371-7711 or +44-71-736-6447 (fax)

Literally Science
Elementary reading program
Macintosh LC or larger; 4 MB of RAM; 40 MB hard disk drive; 12-inch color monitor; System 7.0 or later; CD-ROM drive.
$995 retail
$2,495 retail; set of six
Optical Data Corp.; 30 Technology Dr.; Warren, NJ 07059; 908-668-0022 or 800-524-2481

Literature Navigator Series
Literature; grades 9 to adult
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; HyperCard 2.0.
$299 each retail; The Grapes of Wrath/The Great Gatsby or Romeo and Juliet/Westside Story
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

The Living Textbook
Videodisc series for science study
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; Pioneer LD-V2200 videodisc player; TV or video monitor.
$495 to $1,595 per volume retail; school price
Optical Data Corp.; 30 Technology Dr.; Warren, NJ 07059; 908-668-0022 or 800-524-2481

Location Maker.UK
Covers the whole mainland of Britain and Scotland
Macintosh Plus or larger; HyperCard 2.0.
$50 retail
$150 retail; site license
The Flexible Learning Co.; 15 Longpoles Rd.; Cranleigh, Surrey, England GU6 7JZ; (0) 483-277020

Logo Math: Tools And Games
Computer lab for secondary mathematics
Macintosh 512K or larger; 1 MB of RAM; Terrapin Logo or Logo Plus for Macintosh.
$59.95 retail; single package
$149.95 retail; site license
Terrapin Software, Inc.; 400 Riverside St.; Portland, ME 04103; 207-878-8200, 800-972-8200 or 207-797-9235 (fax)

Logo Probability
Mathematics; grades 5 to 10
Macintosh 512K or larger; Terrapin Logo or Logo Plus for Macintosh.
$19.95 retail; single user
$49.95 retail; class pack
Terrapin Software, Inc.; 400 Riverside St.; Portland, ME 04103; 207-878-8200, 800-972-8200 or 207-797-9235 (fax)

■ **Longman Dictionary of American English**
Learn English as a second language
Macintosh Plus or larger; 160K of RAM; 1 MB of free hard disk space; System 6.0.7 or later.
The Longman Dictionary is an English dictionary designed for people who are learning English as a second language and native English speaking children. It has easy-to-understand definitions, clear explanations and consistent use of examples throughout the dictionary. All definitions for the 38,000 entries and 55,000 example sentences were written using only 2,000 common English words, making them very easy to understand. With the Longman Dictionary, users can copy a word from another application and paste it in the dictionary to look up its definition. If users find a word within a definition that they don't understand, they can quickly look up that word's definition. The Longman Dictionary supports Apple's PlainTalk Text-to-Speech system software extensions so users can hear the computer pronounce any of the 38,000 entry words.
$99 retail
Exceller Software Corp.; 2 Graham Rd. W; Ithaca, NY 14850; 607-257-5634 or 607-257-1665 (fax)

Loon Magic
Interactive educational CD-ROM
Macintosh LC or larger; 2 MB of free RAM; hard disk drive; CD-ROM drive.
$49 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

The Lost Tribe
A modern game of strategy in an outrageous prehistoric world; ages 8 and up
Macintosh LC or II family; 8-bit color (256 colors); System 6.0.5 or later.
$49.95 retail
Lawrence Productions, Inc.; 1800 S. 35th St.; Galesburg, MI 49053; 616-665-7075, 800-421-4157 or 616-665-7060 (fax)

Ludwig van Beethoven: Symphony No. 9 CD Companion, By Robert Winter
Music exploration
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; CD-ROM drive; HyperCard 2.0.2 or later; System 6.0.5 or later; speakers or headphones.
$79.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

Lyric Language/CDM
Teaches children a foreign language through multimedia
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 8-bit color monitor or better; System 7.0 or later; CD-ROM drive.
$49.95 retail
Penton Overseas, Inc.; 2470 Impala Dr.; Carlsbad, CA 92008; 619-431-0060, 800-748-5804 or 619-431-8110 (fax)

Macademic
Educational software library
Macintosh Plus or larger; CD-ROM drive.
$149 retail
Quantum Leap Technologies, Inc.; 2916 Ponce de Leon Blvd., Ste. B; Coral Gables, FL 33134; 305-446-4141, 800-762-2877 (orders) or 305-446-4074 (fax)

MacAnatomy Volumes 1, 2, 3 & 4
Anatomical diagrams
Any Macintosh.
$95 each retail
MacMedic Publications, Inc.; 5177 Richmond, Ste. 1040; Houston, TX 77056; 713-960-1858, 800-477-0717 or 713-621-2408 (fax)

MacBreadboard
TTL (Transistor to Transistor Logic) trainer/simulator
Macintosh 512KE or larger; System 4.1 or later.
$59.95 retail; a free demo version is available
YOERIC Software; 256 Windy Ridge Rd.; Chapel Hill, NC 27514; 919-542-0071 (phone/fax)

■ **MacDeutsch**
Introduces literary texts in German language
Macintosh Plus or larger.
MacDeutsch teaches basic vocabulary and grammar and introduces students to a number of important literary tests in German language and culture. Program exercises start with elementary verb forms and pronouns. They cover all case and tenses, prepositions, adjectives up to the subjunctive and passive voice. Various exercise formats include: vocabulary, fill-in-the-blanks, paragraphs, jumbled sentences, multiple choice and multiple format. Students are given indepth wrong answer analysis, maximum personalized feedback, control of the number of tries and control of pace. MacDeutsch was developed using the MacLang authoring tool.
$99 retail
Exceller Software Corp.; 2 Graham Rd. W; Ithaca, NY 14850; 607-257-5634 or 607-257-1665 (fax)

MacDiet
Analysis tool for nutritional data and energy balance; grades 7 to college level
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later; HyperCard 2.0.
$79 retail; single copy
$349 retail; site license
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

MacEdge II
Eight complete math and reading programs that explore counting, addition, subtraction, multiplication, division, phonetics, matching and more (ages 4 to 12)
Any Macintosh.
$49.95 retail
Think Educational Software, Inc.; 1030 E. El Camino Real, #401; Sunnyvale, CA 94087

MacEdge Plus
Five educational programs containing spelling, reading comprehension and math (ages 6 to 13)
Any Macintosh.
$49.95 retail
Think Educational Software, Inc.; 1030 E. El Camino Real, #401; Sunnyvale, CA 94087

MacFrog 2.0
Frog dissection right on the computer; grades 9 to college level
Macintosh SE or larger; 2 MB of RAM; hard disk drive; color monitor for color version (both color and black and white versions are included); System 6.0.5 or later.
$55 retail; single copy
$249 retail; site license
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

MacGlobe 1.3
Electronic atlas
Macintosh Plus or larger; 1 MB of RAM (2 MB with System 7); hard disk drive; System 6.0.4 or later.
$59.95 retail
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

MacHam Radio General v2.0, Advanced v1.5 And Extra 1.5
Test generator
Macintosh Plus or larger; 2 MB of RAM (4 MB with System 7); hard disk drive; System 6.0.7 or later.
$34.95 each retail
Coyne Co.; 25108 Marguerite Pkwy., Ste. B-200; Mission Viejo, CA 92692; 714-855-4689

MacHam Radio Morse v1.06
Morse code training
Macintosh Plus or larger; 2 MB of RAM (4 MB with System 7); hard disk drive; System 6.0.7 or later.
$39.95 retail
Coyne Co.; 25108 Marguerite Pkwy., Ste. B-200; Mission Viejo, CA 92692; 714-855-4689

MacHam Radio No-Code Technician v2.2
Test generator for code-free technician class of amateur radio license
Macintosh Plus or larger; 2 MB of RAM (4 MB with System 7); hard disk drive; System 6.0.7 or later.
$39.95 retail
Coyne Co.; 25108 Marguerite Pkwy., Ste. B-200; Mission Viejo, CA 92692; 714-855-4689

■ **MacLaboratory For Psychology: Research**
Research and skill building
Macintosh II or larger or Power Macintosh; 5 MB of RAM; System 7.0 or later; QuickTime; HyperCard 2.1; color monitor; hard disk drive or CD-ROM drive.
MacLaboratory for Psychology: Research is curriculum based, rather than keyed to any one text. MacLaboratory software utilizes multimedia technology to integrate text, video, graphics, animation and sound. Users can experience what it's like to conduct real research experiments with millisecond accuracy using MacLaboratory's toolkit and their own creativity. Users can test virtually any hypothesis, from measuring motor skills and auditory perception to reaction time and hemisphere specialization. A manual to accompany MacLaboratory provides background information for each experiment, including terms and definitions, as well as basic parameters of the field.
$300 retail; disk version
$250 retail; CD-ROM version
Brooks/Cole Publishing Co.; 511 Forest Lodge Rd.; Pacific Grove, CA 93950; 408-373-0728, 800-354-9706 or 408-375-6414 (fax)

MacPhotography Workshop
Hands-on electronic tutorial in beginning photography; grades 6 to 12
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.5 or later.
$85 retail; single copy
$399 retail; site license
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

MacPrefect
Gives vital protection to open-access or shared Macintoshes
Macintosh Plus or larger; System 6.0.4 or later.
$49 retail
$61.25 and up retail; corporate
Hi Resolution Inc.; The Tannery Complex; 12 Federal St.; Newburyport, MA 01951; 508-463-6956, 800-455-0888 or 508-462-9198 (fax)

■ **MacPrefect Remote**
Remote protection switch
Macintosh Plus or larger; System 7.0 or later.
MacPrefect Remote removes the need to visit each machine to switch off MacPrefect's protection. It is now possible to switch off protection on single machines, labs or whole zones, from the comfort of a user's own machine. Users can also switch off MacPrefect for extended periods. Other features include student messaging and the ability to remotely restart or shutdown machines.
$24.50 retail; education
$30.62 and up retail; corporate
Hi Resolution Inc.; The Tannery Complex; 12 Federal St.; Newburyport, MA 01951; 508-463-6956, 800-455-0888 or 508-462-9198 (fax)

MacReader Puzzle
Allows users to convert any existing materials into French, Spanish, German, ESL, Latin and Italian
Macintosh 512K or larger.
$59.95 retail
Gessler Educational Software; 55 W. 13th St.; New York, NY 10011; 212-627-0099 or 212-627-5948 (fax)

MacRobots
Five early learning games; ages preschool to 6
Macintosh 128K, 512K or SE/30 (black and white only); System 6.0.1 or earlier.
$49.95 retail
Unicorn Software; 6000 S. Eastern Ave., Bldg. 9, Ste. A; Las Vegas, NV 89119; 702-597-0818 or 702-597-0008 (fax)

MacStat
Interdisciplinary tool; grades 7 to 12
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.5 or later.
$69 retail
MECC; 6160 Summit Dr. N; Minneapolis, MN 55430; 612-569-1500, ext. 529, 800-685-6322, ext. 529 or 612-569-1551 (fax)

MacStronomy 2.0
Color astronomical displays; expandable database
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.4 or later.
$60 retail; program
$25 retail; optional Mag 8 Database
$50 retail; optional SAO/RNGC Database
Etlon Software; 1936 Quail Cir.; Louisville, CO 80027; 303-665-3444 or 303-665-2282 (fax)

MacSurgery Volumes 1 & 2
Self-educational program in general surgery
Macintosh Plus or larger; 2 MB of RAM recommended; hard disk drive; HyperCard.
$95 each retail
MacMedic Publications, Inc.; 5177 Richmond, Ste. 1040; Houston, TX 77056; 713-960-1858, 800-477-0717 or 713-621-2408 (fax)

MacUSA
Geography tool
Macintosh Plus or larger; 1 MB of RAM (2 MB with System 7); hard disk drive; System 6.0.4 or later.
$49.95 retail
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

■ **MacVisa**
Provides access control in open-access labs
Macintosh Plus or larger; System 7.0 or later.
MacVisa addresses the problem of access control in open-access labs. Users wishing to access a Macintosh need to enter a valid user name and password. MacVisa also allows "VisaControls" to be set up to restrict use of a given lab, at a given time, to a particular group of users. MacVisa ensures the right people use the right machines at the right time, and will maximize the effective use of valuable time. Other features include student messaging, print addressing, print auditing capabilities and the remote restarting or shutting down of machines. MacVisa's features accurately match the real needs of real users.
$395 retail
$19.95 retail; per extension
Hi Resolution Inc.; The Tannery Complex; 12 Federal St.; Newburyport, MA 01951; 508-463-6956, 800-455-0888 or 508-462-9198 (fax)

Magnificent Rocky
A CD-ROM guide to Rocky Mountain National Park
Macintosh LC or larger; 4 MB of RAM; 14-inch color monitor; System 7.0 or later; CD-ROM drive.
$39.95 retail
Johnson Books Electronics; 1880 S. 57th Ct.; Boulder, CO 80301; 303-433-1576 or 303-443-1679 (fax)

Mammals Of Africa — ZooGuides V.3
Multimedia encyclopedia on the wildlife of Africa
Macintosh LC or larger; 8-bit color monitor; System 6.0.7 or later; CD-ROM drive.
$59.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

■ **Mammals: A Multimedia Enclyclopedia**
Learn about mammals
Macintosh Plus or larger; 4 MB of RAM; System 6.0.8 or later; color monitor; CD-ROM drive.
Mammals: A Multimedia Encyclopedia features information on more than 200 mammals with indepth essays on the mammals behavior. It contains more than 700 full-color captioned photographs, 28 full-motion video clips from the Society's TV specials and more than 100 authentic animal vocalizations. There are range maps and vital statistics for each animal and a narrated guided tour of the program. In addition, for fun and learning, a classification game is included. Users can organize all mammals alphabetically, by order or by characteristics; capture views to compare information on different mammals; stop any video clip, view it frame by frame, fast-forward or reverse it; and search the encyclopedia by key words.
$99 retail
National Geographic Society, Educational Media Division; 17th and M Streets NW; Washington, DC 20036; 800-368-2728 or 301-921-1575 (fax)

■ **Maps And Navigation**
Learn the fundamentals of navigation; grades 4 to 8
Macintosh II or larger; 1 MB of RAM; hard disk drive or two disk drives.
When using Maps and Navigation, students learn the fundamentals of navigation to find buried treasure, avoid a hurricane and pinpoint their ship's location to call for help. These lessons culminate in Rescue Mission, a simulation in which students apply map skills and mathematical concepts to help free a humpback whale caught in a fishing net.
$99 retail
$595 retail; network version (site license available)
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Marble Springs
Hypertextual collection of poetry
Macintosh Classic or larger; HyperCard 2.x.
$19.95 retail
Eastgate Systems, Inc.; PO Box 1307; Cambridge, MA 02238; 617-924-9044, 800-562-1638 or 617-923-4575 (fax)

Marine Invertebrates
Explore the wonders of sea life
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$59.95 retail; School version
$99.95 retail; Lab pack (five)
$149.95 retail; Lab pack (10)
$299.95 retail; Network server (one server, up to 30 stations)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

Mario Is Missing!
Discovery, adventure and geography
Macintosh LC or larger; 2.5 MB of free RAM; hard disk drive; 32-bit color QuickDraw; System 6.0.7 or later.
$49.95 retail
The Software Toolworks; 60 Leveroni Ct.; Novato, CA 94949; 415-883-3000, 800-234-3088 or 415-883-3303 (fax)

Marklin Digital Electric Trains
Uses digitally-operated model trains to teach a variety of subjects in a classroom setting
Macintosh Plus or larger.
Call for pricing; trains (software is free)
Marklin, Inc.; PO Box 51319; New Berlin, WI 53151; 414-784-8854 or 414-784-1095 (fax)

Marsbook
Tour of a future NASA Mars Habitat
Any color-capable Macintosh; 8 MB of RAM; System 7.0 or later; CD-ROM drive.
$19.95 retail

Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

■ **Martin Luther King, Jr.'s "Letter From Birmingham Jail"**
A rhetorical analysis; grade 9 to college level
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later; HyperCard 2.0 or later.

Martin Luther King, Jr.'s "Letter from Birmingham Jail" provides students with a deeper understanding of the rhetorical devices in one of the masterful examples of modern argumentation. The package includes three major components: The Letter Section, which includes Dr. King's "Letter from Birmingham Jail"; The Rhetoric section, which includes the faculty notes analyzing Dr. King's rhetoric; and a Library of resources, including an encyclopedia of relevant people, places and organizations, a collection of laws and Supreme Court decisions, a series of documents, a collection of maps and more. Students will be able to better define, describe and identify six major rhetorical elements found in most well-formed arguments, including appeals based on reason (logos), appeals based on the credibility of the speaker (ethos), appeals based on emotion (pathos), audience, style and structure.
$59 retail; single copy
$249 retail; site license
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

Mastering Calculus Series
Calculus
Macintosh Plus or larger; 1 MB of RAM; two disk drives or hard disk drive or network; System 6.0 or later.
$99 per module retail; network and site license available; discounts for site and bulk purchases
Nectar Foundation; 1695 Merivale Rd.; Nepean, Ontario, Canada K2G 3R4; 613-726-8894 or 613-726-8897 (fax)

Mastering English Grammar
Grammar; grades 3 to 12, remedial college
Macintosh Plus or larger; CD-ROM drive.
$395 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Mastering Math
Interactive math drills and instructions; grades 3 and up
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later; CD-ROM drive.
$195 retail; Mastering Math
$295 retail; Mastering Math II
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Masticatory Muscles
Multimedia accelerated learning
Macintosh with 68030 processor or larger; 4 MB of RAM; color monitor; CD-ROM drive; System 7.0 or later.
$245 retail; individual
$599 retail; institutional
SilverPlatter Education, Inc.; 100 River Ridge Dr.; Norwood, MA 02062; 617-769-2599, 800-343-0064 or 617-769-8763 (fax)

Match-On-A-Mac 2.0
Educational software to help develop and improve recognition and association skills
Any Macintosh.
$39.95 retail
Teach Yourself By Computer Software, Inc.; 3400 Monroe Ave.; Rochester, NY 14618; 716-381-5450, 800-724-4691 or 716-427-7628 (fax)

Math #1 And #2
Provide a systematic approach to word problems
Macintosh Plus or larger; 2.5 MB of RAM (4 MB with System 7).
$29.95 each retail
Decision Development Corp.; 2680 Bishop Dr., Ste. 122; San Ramon, CA 94583; 510-830-8896, 800-835-4332 or 510-830-0830 (fax)

■ **Math Arcade Games**
Master basic math skills; grades 2 to 6
Macintosh II or larger; System 7.0 or later; 2 MB of free RAM; 256-color monitor; CD-ROM drive (for CD version).

Math Arcade Games is an innovative approach to mastering basic math skills. Students will be captivated by the video game environment while they refine critical math skills. The highly-animated arcade setting includes: Blink's On The Blink; Minus Madness; and Spacestation 42. Math Arcade Games contains superior animations, six different music selections, humorous sound effects, arcade-like play, unlimited number of math problems, three skill levels and immediate feedback responses. It is available in 3.5-inch floppy disk or CD-ROM version.
$59 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

Math Blaster Mystery
Math and problem-solving skills; ages 10 and up
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.
$49.95 retail
Davidson & Associates, Inc.; 19840 Pioneer Ave.; Torrance, CA 90503; 310-793-0600, 800-545-7677 or 310-793-0601 (fax)

Math Connections
Algebra inquiry tools; grades 8 to 11 and 9 to college
Macintosh Plus or larger; 1 MB of RAM.
$129 each retail; Algebra I or Algebra II
$775 retail; network version (site license available)
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Math Magic
Elementary math skills: counting, addition and subtraction
Macintosh Plus or larger; 1 MB of RAM (2 MB for color); System 6.0 or later; hard disk drive recommended.
$69.99 retail
$185 retail; lab pack (six)
$499 retail; network
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

Math Map Trip
Confluent math, geography, science and language concepts taught through a map tour of the United States
Macintosh Classic or larger; 2 MB of RAM (4 MB with System 7).
$89 retail
Educational Activities, Inc.; PO Box 392; Freeport, NY 11520; 516-223-4666, 800-645-3739 or 516-623-9282 (fax)

Math Rabbit
Teaches early math skills to children ages 3 to 7
Macintosh Plus or larger.
$59.95 retail
The Learning Co.; 6493 Kaiser Dr.; Fremont, CA 94555; 510-792-2101, 800-852-2255 or 510-792-9628 (fax)

Math Shop Series
Helps students understand math and develop problem-solving skills in "real world" situations
Macintosh Plus or larger.
$79.95 each retail
Scholastic Software; 555 Broadway; New York, NY 10012; 800-541-5513 or 314-635-5881 (fax)

The Math Teacher's Workstation
Integrated package of resources for teaching mathematics at the secondary or college level
Macintosh Plus or larger; 1 MB of RAM.
$149.95 retail
Sterling Swift Software; 1104 Kinney Ave.; Austin, TX 78704; 512-441-8430

Math Wizard
Mathematics; ages 5 to 13
Macintosh LC or larger (color Macintosh only); System 6.0.7 or later.
$49.95 retail
Unicorn Software; 6000 S. Eastern Ave., Bldg. 9, Ste. A; Las Vegas, NV 89119; 702-597-0818 or 702-597-0008 (fax)

■ **Math Word Problems**
Increases verbal math proficiency; grades 2 to 6
Macintosh II or larger; System 6.0.7 or later; 2 MB of RAM (4 MB for System 7); 256-color monitor; hard disk drive with 5.5 MB of free space.

Math Word Problems entertains youngsters with exciting sights and sounds as it builds the verbal math proficiency so crucial in comprehending mathematical concepts. Math Word Problems features include five sections that incorporate previously learned skills; all questions posed as word problems; students must identify proper concept and operation before any computations; mixed story problems; fully illustrated and animated; immediate feedback for responses; and performance analysis after each section.
$59 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

MathArt
Mathematics teaching aid
Macintosh Plus or larger; any paint or PICT-compatible graphics program.
$34.95 retail
Blue Poppy Productions; PO Box 34245; San Diego, CA 92163; 619-223-7385 or 800-242-7468

■ **Mathville**
Math simulation
Macintosh Plus or larger; System 6.0 or later; dual 800K floppy disk drive or hard disk drive; HyperCard 1.2 or later.

Mathville presents students with a simulated village to explore. Users will learn and make use of real life math skills. Mathville goes beyond drill and practice exercises, providing instead an exciting and challenging environment where math is fun. Mathville makes use of a wide variety of problem-solving skills, including geometry, graphing, statistical and pattern recognition. Users must earn money by solving conceptual problems, then money can be spent on sport or entertainment activities — but don't forget to buy clothing and food. It is available in the following: Mathville 1, 2, 3 for students grades 1 to 3; Mathville Jr. for students grades 4 to 6; and Mathville for grades 7 to 9.
$67 retail; school edition
$135 retail; lab pack
$350 retail; site/network
Didatech Software Ltd.; 4250 Dawson St., Ste. 200; Burnaby, BC, Canada V5C 4B1; 604-299-4435, 800-665-0667 or 604-299-2428 (fax)

McGee
Independent exploration
Macintosh 512KE or larger; System 6.0.5 or later..
$24.95 retail
Lawrence Productions, Inc.; 1800 S. 35th St.; Galesburg, MI 49053; 616-665-7075, 800-421-4157 or 616-665-7060 (fax)

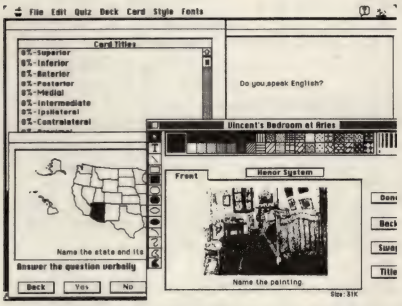
McGee At The Fun Fair
Independent exploration
Macintosh Plus or larger; System 6.0.5 or later.
$24.95 retail
Lawrence Productions, Inc.; 1800 S. 35th St.; Galesburg, MI 49053; 616-665-7075, 800-421-4157 or 616-665-7060 (fax)

McGee Visits Katie's Farm
Independent exploration
Macintosh Plus or larger; System 6.0.5 or later.
$24.95 retail
Lawrence Productions, Inc.; 1800 S. 35th St.; Galesburg, MI 49053; 616-665-7075, 800-421-4157 or 616-665-7060 (fax)

Medicomp
Computerized tutorials
Macintosh Plus or larger; 1 MB of RAM.
$21 to $69 per module retail; Student Version
$66 to $275 per module retail; Institution Version
Shiesl Corp.; 27 Sunrise Dr.; Edison, NJ 08817;
908-287-9523 or 908-287-9579 (fax)

MegaBooks
Full text of classic literary works
Macintosh LC or larger; 2 MB of RAM; 2 MB of free hard disk drive; color monitor; CD-ROM drive.
$29.95 each retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430;
203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Memorize•It
Multimedia flashcard application
Macintosh Plus or larger; 1 MB of RAM; System 6.0.8 or larger.



Memorize•It is a stand-alone Macintosh application useful for memorizing any type of information. Users create their own decks of flashcards using integrated deck and card editing tools or use pre-fabricated deck collections available from Side∞Eight. Robust editing features expedite card and deck creation. Cards consist of pictures, drawings, text, sound and even video. For interactive quizzing, Memorize•It has four different styles: Honor System, Multiple Choice, True/False and Type-In. Once a deck is created, Memorized•It will interactively quiz users on all the cards in the deck. Memorize•It knows which cards are hardest and will help focus on the cards that give users the most trouble. It allows users to easily input exactly what they need to know and focus on the hardest information. It prints on perforated card stock paper in many different formats.
$49 suggested retail; free demo available
Side∞Eight; PO Box 5004; Garden Grove, CA 92645;
714-952-4114 or 714-995-6725 (fax)

■ **Memorize•It Flashcards, Art History**
Multimedia flashcard application
Any Macintosh; 1 MB of RAM; System 6.0.4 or later; color monitor.
Art History flashcards are created with Memorize•It. The front of each card contains the picture in full color and the back contains the title and the artist. More than 100 paintings are included. A quizzer is included to turn over the deck and quiz. The disks included in the Art History collection are: Unknown Artists and Early History of Art, Painting pre-1400s and 1400s, Paintings 1500s, Paintings 1600s and 1700s, Paintings 1800s, Vincent Van Gogh and the Quizzer application. Users will need Memorize•It to edit these flashcards or to create their own.
$16.99 retail
Side∞Eight; PO Box 5004; Garden Grove, CA 92645;
714-952-4114 or 714-995-6725 (fax)

■ **Memorize•It Flashcards, German Vocabulary 1, 2 And 3**
Multimedia flashcards application
Any Macintosh; 1 MB of RAM; System 6.0.4 or later.
The German Vocabulary Flashcard are created by Memorize•It. One side contains the English word and the other side the German. Both sides contain sound. Each volume contains 250 to 300 flashcards on various topics. A quizzer is included in each to turn over the deck and quiz in either language. German Vocabulary 1 contains: Airport words and Animals; Parts of a Car, Bedroom words and City words; Body Parts and Clothing; Colors, Countries and Days of the Week; and the quizzer. German Vocabulary 2 contains: Foods, Fruits and Vegetables, and Kitchen words; Farm, Languages, Living Room and Military; Months, Moving and School; Numbers 0 to 75; and the quizzer. German Vocabulary 3 contains: Numbers 76 to 105, Ship words and Television; Shopping, Space and Train words; Sports, Time and Travel; Weather and Work; and the quizzer. Users will need Memorize•It to edit these flashcards or to create their own.
$13.99 per volume retail
Side∞Eight; PO Box 5004; Garden Grove, CA 92645;
714-952-4114 or 714-995-6725 (fax)

■ **Memorize•It Flashcards, Spanish Vocabulary 1**
Multimedia flashcard application
Any Macintosh; 1 MB of RAM; System 6.0.4 or later.
Spanish Vocabulary 1 Flashcards are created by Memorize•It. One side contains the English word and the other the Spanish. Both sides contain sound. A quizzer is included to turn over the deck and quiz in either language. The disks included in the collection of Spanish Vocabulary Flashcards are: Animals and City words, Birds, Clothing and Bedroom words, Foods and Kitchen words, Auto words and Countries and Quizzer application. Users will need Memorize•It to edit these flashcards or to create their own cards.
$13.99 retail
Side∞Eight; PO Box 5004; Garden Grove, CA 92645;
714-952-4114 or 714-995-6725 (fax)

■ **Memorize•It Flashcards, World Flags, U.S. States And World Countires**
Multimedia flashcard application
Any Macintosh; 1 MB of RAM; System 6.0.4 or later; color monitor.
World Flags, U.S. States and World Country flashcards are created by Memorize•It. Flags are 256-color; States and Countries flashcards have pictures on the front, name and capital on the back. There are more than 200 Flags and Countries, and more than 500 cards total. A quizzer is included to turn over the deck and quiz. The disks included in this collection are: U.S. States and Great Lakes, World Countries, Flags by location disks 1, 2 and 3, U.S. State Flags and the Quizzer application. Users will need Memorize•It to edit these flashcards or to create their own.
$16.99 retail
Side∞Eight; PO Box 5004; Garden Grove, CA 92645;
714-952-4114 or 714-995-6725 (fax)

■ **Memory Building Blocks**
Helps visual and auditory memory skills, grades K to adult
Macintosh Plus or larger; 1 MB of RAM.
Memory Building Blocks develops visual and auditory memory skills with six colorful concentration-type games: Pictures, Words, Colors, Shapes, Patterns and Tunes. Teachers or students can enter words to be used as both text and recorded in their own voices. A choice of different game boards and speeds makes these games suitable for a wide range of abilities.
$99 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.;
Pleasantville, NY 10570; 914-747-3310,
800-321-7511 or 914-747-4109 (fax)

The Mentor V1.22
French language teacher
Any Macintosh.
$350 retail
Avenue Software, Inc.; 2162 Charest Blvd. W; Sainte-Foy, Quebec, Canada G1N 2G3; 418-682-3088 or 418-681-1055 (fax)

■ **Metazoa: Vanishing Kingdom 2.2**
College-level tutorial on invertebrate zoology
Macintosh II or larger; 8 MB of RAM; 640 by 480 color monitor; System 7.0 or later; CD-ROM drive.
Metazoa is a 310 MB interactive database exploration of the world of invertebrates, including photographs, text, animations, 3-D models, video clips, digitized pronunciations, diagnostics, short stories and pertinent humor. Intended as a comprehensive supplement to a formal college course, all material is original and previously unpublished.
$495 retail; site license (includes two copies of CD-ROM)
$100 per disk retail; additional institutional copies
$50 per disk retail; student copies
Ocellus Productions; 165 Hagerstown Ave.; Palm Bay, FL 32908; 407-768-8000, ext. 8195 or 407-725-5130 (evenings)

■ **Micro-LADS**
Grammatical instruction for children with learning disabilities
Any Macintosh.
The Microcomputer Language Assessment and Development System (Micro-LADS) is a series of seven modules that provide grammatical instruction to children with language-learning disabilities. Micro-LADS uses more than 600 pictures and 300 vocabulary words to train comprehension of 46 fundamental grammatical constructions. Natural speech, colorful graphics and amusing animation create a dynamic learning experience. With three levels of difficulty and a variety of customization options, Micro-LADS meets the needs of diverse learners and ensures success. Interface options include the keyboard, mouse, TouchWindow or a single swtich. These programs can be used with non-readers, but there is a text option for beginning readers. At the end of a lesson, a detailed performance summary can be saved or printed out.
$775 retail; complete set of seven modules
$175 retail; each module
$250 retail; any two modules
Laureate Learning Systems, Inc.; 110 E. Spring St.;
Winooski, VT 05404; 802-655-4755, 800-562-6801 or 802-655-4757 (fax)

■ **Microscopy**
Learn about compound light microscopes
Macintosh II family; 2 MB of RAM; 8-bit color monitor recommended; CD-ROM drive; HyperCard 2.1 or HyperCard player.
This CD-ROM offers an introduction to compound light microscopes, identifying key componenets and their use. Digital video clips demonstrate slide presentation, and proper care and maintenance techniques are reviewed.
$79 retail; includes K to 12 building license
Digital Imaging Associates, Inc.; An Affiliate of Major Educational Resources Corp.; 10153 York Rd.,
Ste. 107; Hunt Valley, MD 21030; 410-628-9200,
800-989-5353 or 410-628-0915 (fax)

Middle Ages
Daily lives of kings, nobles and peasants in medieval Britian of the 11th through 15th centuries
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM drive.
$195 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430;
203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Middle East Diary
Represents a lengthy review of Middle East history, personalities and conflicts
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive.
$99.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A;
Minneapolis, MN 55414; 612-379-3956 or
612-623-4570 (fax)

MIDI Jazz Improvisation Series
Teaches jazz improvisation
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI interface; MIDI keyboard and sequencer.
$159.90 retail
$800 retail; network license
$1,120 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099,
800-832-4965 or 217-359-6578 (fax)

■ **Mighty Morphin Power Rangers**
Five exciting live-action shows
Macintosh with 68030 or larger processor; 2 MB of free RAM (4 MB total RAM recommended); hard disk drive with 2 MB of free space; 640 by 480 screen or larger (color recommended); 256-color mode (8-bit card minimum); System 7.0 or later; CD-ROM drive.
Mighty Morphin Power Rangers, the hot new children's TV series from Saban Entertainment, comes to CD-ROM in five exciting live-action shows. Presented in the easy-to-use Matrix Interface format

These Products Available Through Bottom Line Distribution
1-800-347-1923

from Xiphias, this disc allows users to mix and match scenes from different shows. Video, audio, text and graphics are right at their fingertips, providing hours of thrilling entertainment. Users can follow Jason, Kimberly, Billy, Trini and Zack as they battle an intergalactic sorceress who will stop at nothing in her attempt to conquer the universe; and see the Power Rangers "morph" into costumed superheroes and burst into action with amazing fighting powers drawn from the spirits of ancient dinosaurs. Come along and join the Mighty Morphin Power Rangers in their world of adventure.
$39.95 retail
Xiphias; 8758 Venice Blvd.; Los Angeles, CA 90034; 310-841-2790, 800-421-9194 or 310-841-2559 (fax)

Millie's Math House
Early math program; ages 2 to 6
Macintosh Plus or larger; 1 MB of RAM (2 MB for color; 4 MB for System 7); hard disk drive; System 6.0.7 or later; TouchWindow and printer optional.
$49.95 retail
$64.95 retail; Education Version
Edmark Corp.; 6727 185th Ave. NE; PO Box 3218; Redmond, WA 98073; 206-556-8484 or 206-556-8998 (fax)

Milton On Disk
The complete text of John Milton's poetic works
Any Macintosh; word processing program.
$129 retail
Shakespeare on Disk; Hollow Rd., PO Box 299M; Clinton Corners, NY 12514; 914-266-5705 or 914-876-6918 (fax)

Mind Castle: The Spell Of The Word Wizard
Language arts (vocabulary); ages 8 and older
Macintosh LC or larger; 1 MB of RAM; hard disk drive with 2.5 MB of free space; 8-bit color (256 colors); System 6.0.5 or later.
$59.95 retail
Lawrence Productions, Inc.; 1800 S. 35th St.; Galesburg, MI 49053; 616-665-7075, 800-421-4157 or 616-665-7060 (fax)

Mind Over Mac
Five educational games modeled after popular board games
Any Macintosh.
$49.95 retail
Think Educational Software, Inc.; 1030 E. El Camino Real, #401; Sunnyvale, CA 94087

Molecular Biology Of The Cell TextStack
Educational and reference system
Macintosh Plus or larger with a SuperDrive; 2 MB of free RAM; hard disk drive; HyperCard 2.1; System 6.0.7 or later.
$150 retail; single unit
$450 retail; five-station site license
Keyboard Publishing, Inc.; 482 Norristown Rd., Ste. 111; Blue Bell, PA 19422; 610-832-0945, 800-945-4551 or 610-832-0948 (fax)

Molecular Cloning
Molecular biology education
Macintosh Plus or larger; 2 MB of free RAM; hard disk drive; System 6.0.7 or later; HyperCard 2.1.
$65 retail; HyperCard version
$195 retail; five-station site license
$75 retail; SuperCard application
$225 retail; five-station site license
Keyboard Publishing, Inc.; 482 Norristown Rd., Ste. 111; Blue Bell, PA 19422; 610-832-0945, 800-945-4551 or 610-832-0948 (fax)

Monarch Notes On CD-ROM
More than 600 notes covering more than 200 authors, from Aristotle and Dostoyevsky to Emerson, Kafka, Shakespeare, Woolf and more
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive.
$69.95 retail
Bureau of Electronic Publishing, Inc.; 141 New Rd.; Parsippany, NJ 07054; 201-808-2700, 800-828-4766 or 201-808-2676 (fax)

Monsters And Make Believe
Graphics writing program; grades K to 8
Macintosh LC or larger; 2 MB of RAM; color monitor.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Monthly Stories
Users read stories and then complete and illustrate them
Macintosh Plus or larger; HyperCard 2.0.
$25 retail
Chariot Software Group; 3659 India St., Ste. 100; San Diego, CA 92103; 619-298-0202, 800-242-7468 or 619-491-0021 (fax)

More Astonishing Asia
Discover more of Asia's most bizarre people, places and things
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$49.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

Mount Everest: A Sierra Club Electronic Guide
Explore the world's highest peak
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 12- or 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

Moving Gives Me A Stomach Ache
Interactive story; ages 6 and up; English/Spanish
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive; System 6.0.4 or later.
$29.95 retail
$35.95 retail; Classroom Edition
$155 retail; Lab Pack (five discs)
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

Mozart: The "Dissonant" Quartet CD Companion, By Robert Winter
Music exploration
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; CD-ROM drive; HyperCard 2.0.2 or later; System 6.0.5 or later.
$59.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

Mud Puddle
Interactive story; ages 4 and up; English/Spanish
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive; System 6.0.4 or later.
$29.95 retail
$35.95 retail; Classroom Edition
$155 retail; Lab Pack (five discs)
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

Multicultural Chronicles
Interactive social studies
Macintosh Plus or larger; 2 MB of RAM; HyperCard 2.0 or later.
$69.95 each retail; Native Americans, American Women, African Americans or Latino Americans
$220 retail; all four titles (includes teacher's guide and site license)
K-12 MicroMedia Publishing, Inc.; 6 Arrow Rd.; Ramsey, NJ 07446; 201-825-8888, 800-292-1997 or 201-825-0582 (fax)

MultiEducator: American History 3.0
American history
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$79.95 retail
MultiEducator Inc.; 244 North Ave.; New Rochelle, NY 10801; 914-254-4346, 800-866-6434 or 914-235-5131 (fax)

Multimedia Animals Encyclopedia
Comprehensive reference of the vertebrate branch of the animal kingdom
Color Macintosh; 13-inch monitor; 500K VRAM; System 7.0 or later; CD-ROM drive.
$59.95 retail
Applied Optical Media Corp.; 1450 Boot Rd., Bldg. 400; West Chester, PA 19380; 215-429-3701, 800-321-7259 or 215-429-3810 (fax)

Multimedia Audubon's Birds
Contains the complete text of Audubon's "Birds of America," including nearly 500 full-color lithographs and CD-quality sounds for many birds
Macintosh Plus or larger; 2 MB of RAM; color display requires 8-bit color, 32-bit QuickDraw and color monitor; System 6.0.5 or later; CD-ROM drive.
$49.99 retail
Creative Multimedia; 513 NW 13th Ave., Ste. 400; Portland, OR 97209; 503-241-4351, 800-854-9126 or 503-241-4370 (fax)

Multimedia Audubon's Mammals
Contains the complete text of "Quadrupeds of North America," including more than 150 full-color lithographs and animal sounds
Macintosh Plus or larger; 2 MB of RAM; color display requires 8-bit color, 32-bit QuickDraw and color monitor; System 6.0.5 or later; CD-ROM drive.
$49.99 retail
Creative Multimedia; 513 NW 13th Ave., Ste. 400; Portland, OR 97209; 503-241-4351, 800-854-9126 or 503-241-4370 (fax)

Multimedia Dictionary Of Knowledge
Events, ideas and individuals that have shaped world culture
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$99.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

■ **Multimedia Discovery Series**
Discover places on earth
Macintosh II or larger; System 7.0 or later; 8- or 24-bit color display, 32-bit color QuickDraw; CD-ROM drive.
The Multimedia Discovery Series lets users go on a journey of discovery. Users will explore the still and uncharted waters under the sea; climb the highest mountains and journey to the most remote places on earth; unlock the secrets of a place time has left behind as the wonders of the tropical rainforests unfold before their eyes; and blast off into space for a journey of a lifetime.
$39.95 retail
Aris Entertainment; 310 Washington Blvd., Ste. 100; Marina del Rey, CA 92092; 310-821-0234, 800-228-2747 or 310-821-6463 (fax)

Multimedia Flashcards
Learn to speak and read English
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$79 U.S. retail
EuroTalk Ltd.; 315/317 New Kings Rd.; London, England SW6 4RF; +44-71-371-7711 or +44-71-736-6447 (fax)

Multimedia Space Encyclopedia
More than 500 MB of resources for students of space
Macintosh Plus or larger; 2 MB of RAM; System 6.0.7 or later; CD-ROM drive.
$129 retail
BETACORP Technologies Inc.; 6770 Davand Dr.; Mississauga, Ontario, Canada L5T 2G3; 905-564-2424 or 905-564-6655 (fax)

Multimedia Tools For Schools
Educational programs, including productivity software, word processing, painting and drawing, foreign language programs and more
Macintosh Plus or larger; 2 MB of RAM; System 6.0.7 or later; CD-ROM drive.
$129 retail

BETACORP Technologies Inc.; 6770 Davand Dr.; Mississauga, Ontario, Canada L5T 2G3; 905-564-2424 or 905-564-6655 (fax)

The Multimedia Workshop
Multimedia tool for papers, projects and presentations; ages 10 to adult
Macintosh LC or larger; 4 MB of RAM (256 colors) or 8 MB of RAM (256+ colors); hard disk drive with 2 MB of free space; System 7.0 or later; CD-ROM drive if using all images and sounds in CD-ROM libraries; microphone and printer recommended.
$79.95 retail
Davidson & Associates, Inc.; 19840 Pioneer Ave.; Torrance, CA 90503; 310-793-0600, 800-545-7677 or 310-793-0601 (fax)

Muppet Learning Keys
Introduces early learners to the computer; preschool to grade 1
Macintosh Plus or larger; 2 MB of RAM; Macintosh adapter box (included).
$199 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Murmurs Of Earth
Experience and explore our message to the universe
Macintosh LC or II family; 4 MB of RAM; color monitor; System 6.0.5 or later; CD-ROM drive.
$59.99 retail
Time Warner Interactive; 2210 W. Olive Ave.; Burbank, CA 91506; 818-955-9999, 800-482-3766 or 818-955-6499 (fax)

Music Composer Quiz
Improves knowledge of music composers
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$59.95 retail; single station
$300 retail; network
$420 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Music Flash Cards
Presents important music material
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$99.95 retail
$500 retail; network license
$700 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Music Fun/Harmony Fun
Interactive music theory education
Macintosh Plus or larger; MIDI synthesizer and interface optional; System 6.0 or later.
$49.95 retail; Music Fun
$89.95 retail; Harmony Fun
$119.95 retail; Music/Harmony Fun Combo-Pak
$5 retail; demo
TransComp; 74 Memorial Rd.; Providence, RI 02906; 401-272-4641

Music History Review: Composers
Lets students test their knowledge of composers
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$59.95 retail
$300 retail; network license
$420 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Music Maestro
Educational program; grades K to 12
Macintosh Plus or larger; HyperCard 1.2.2 or later; System 6.0.2 or later; hard disk drive recommended.
$34.95 retail
Growing Minds Software; PO Box 3704; Ontario, CA 91761; 909-391-2252

Music Terminology
Improves knowledge of music terminology
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$59.95 retail
$300 retail; network license
$420 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Musical Terminology For Bands, Orchestras And Choirs
Fundamental musical terminology
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$39.95 retail
$200 retail; network license
$280 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Musical Words Game
Visual/audio note placement training
Macintosh with 1 MB of RAM; hard disk drive; HyperCard.
$7.50 retail; Treble and Bass Clef (also shareware availability)
A.H. Nussel Sr.; 260 NE 6th Blvd.; Williston, FL 32696

Musicus
Music game
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$29.95 retail
$150 retail; network license
$210 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Musique
Theory instruction
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI interface; MIDI keyboard.
$695 retail
$3,475 retail; network license
$4,865 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

The Must Know Word Activity Disc
Activities with the 100 most frequently used words in the English language
Macintosh LC or larger; 2 MB of RAM; hard disk drive; CD-ROM drive; headphones suggested.
$195 retail
Interactive Knowledge, Inc.; 1100 S. Mint St., Ste. 209; Charlotte, NC 28203; 704-344-0055, 800-344-1502 or 704-344-1505 (fax)

My MediaText Workshop
Allows students to create multimedia documents; grades K to 6
Macintosh Plus or larger; 2 MB of RAM (4 MB if using QuickTime or System 7.0).
$99 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

My Own Stories
Kids can write about themselves and their lives; creative writing tool for ages 8 to 14
Macintosh Plus or larger; 1 MB of RAM (2 MB for color; 4 MB for System 7); hard disk drive; System 6.0.7 or later.
$49.95 retail
MECC; 6160 Summit Dr. N; Minneapolis, MN 55430; 612-569-1500, ext. 529, 800-685-6322, ext. 529 or 612-569-1551 (fax)

My Silly CD Of ABC's
Introduces children to the alphabet and reasoning concepts
Any Color Macintosh; 2 MB of RAM; System 6.0.4 or later; CD-ROM drive.
$29.95 retail
$35.95 retail; Classroom Edition
$155 retail; Lab pack (five discs)
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

My Silly CD Of Colors
Introduces children to colors, reading and reasoning concepts
Any Color Macintosh; 2 MB of RAM; System 6.0.4 or later; CD-ROM drive.
$29.95 retail
$35.95 retail; Classroom Edition
$155 retail; Lab Pack (five discs)
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

My Silly CD Of Counting
Introduces children to numbers and basic addition, reading and reasoning concepts
Color Macintosh; 2 MB of RAM; System 6.0.4 or later; CD-ROM drive.
$29.95 retail
$35.95 retail; Classroom Edition
$155 retail; Lab Pack (five discs)
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

My Silly CD Of Opposites
Introduces children to alphabet, reading and reasoning concepts
Color Macintosh; 2 MB of RAM; System 6.0.4 or later; CD-ROM drive.
$29.95 retail
$39.95 retail; Classroom Edition
$155 retail; Lab Pack (five discs)
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

My Words
Helps teach children to read as they write
Macintosh LC, LC II or larger; 4 MB of RAM; System 7.0 or later.
$99.95 retail
Hartley Courseware; 3451 Dunckel Rd., Ste. 200; Lansing, MI 48911; 517-394-8500, 800-247-1380 or 517-394-9899 (fax)

Mystery Mazes
Develop students' reading and reasoning skills
Macintosh Classic or larger; 4 MB of RAM; HyperCard 2.0 or later.
$59.95 each retail
$149 retail; complete set of three
Educational Activities, Inc.; PO Box 392; Freeport, NY 11520; 516-223-4666, 800-645-3739 or 516-623-9282 (fax)

National Career Aptitude System
Assesses a person's ability to learn and perform tasks associated with hundreds of occupations
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.2 or later; printer.
$295 retail
Careerware — ISM; 810 Proctor Ave.; Industrial Park Bldg. #3; Ogdensburg, NY 13669; 800-267-1544 or 613-235-4594 (fax)

National Inspirer
U.S. geography; grades 5 to 12
Macintosh Plus or larger; 1 MB of RAM.
$79.95 retail
Tom Snyder Productions, Inc.; 80 Coolidge Hill Rd.; Watertown, MA 02172; 617-926-6000, 800-342-0236 or 617-926-6222 (fax)

National Register Of Historical Places Index
More than 57,000 historic locations
Macintosh Plus or larger; 1 MB of RAM; CD-ROM player.

$295 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

The Nature Of Genes
Interactive tutorial that teaches the basics of genetics
Macintosh with 68030 processor or larger; 4 MB of RAM; color monitor; CD-ROM drive; System 6.0.7 or later.
$175 retail; individual
$495 retail; institutional
SilverPlatter Education, Inc.; 100 River Ridge Dr.; Norwood, MA 02062; 617-769-2599, 800-343-0064 or 617-769-8763 (fax)

Negotiator's Factomatic
Users can negotiate their way to success
Macintosh LC or larger; 4 MB of RAM; color display; System 6.0.7 or later; CD-ROM drive.
$39.95 retail
Compton's NewMedia, Inc.; 2320 Camino Vida Roble; Carlsbad, CA 92009; 619-929-2500 or 619-929-2511 (fax)

■ **Neuropathology Stacks**
Neuropathology concepts
Macintosh Plus or larger; 2 MB of RAM; 6 MB of free hard disk space; HyperCard 2.0 or later; System 6.0.5 or later.
Neuropathology Stacks is an interactive software program for learning neuropathology concepts and for application of problem-solving approaches to case studies. When linked to the Slice of Life videodisc, users can, selecting individual images, create instructional units on a multitude of topics. Each interactive videodisc instructional unit consists of five sections: pre-test; instructional lesson; post-test; case study; and glossary. Users have control of the order of selection within each unit. A Table of Contents Index is provided for each lesson. A comments feature is also built in for users to record comments and questions by means of using a local hard drive. Content in all individual cards have the capability of being modified by users.
$250 retail
$525 retail; site license
Slice of Life; Eccles Health Sciences Library; University of Utah, Bldg. 589; Salt Lake City, UT 84112; 801-585-2737 or 801-585-2623 (fax)

The New Grolier Multimedia Encyclopedia
Comprises all 21 volumes of the Academic American Encyclopedia
Macintosh Plus or larger; 2 MB of RAM (4 MB of RAM and QuickTime are required for animation and video, Knowledge Explorer Audio-Visual Essays and Multimedia Maps; QuickTime requires 68020 CPU or larger, color display and System 6.0.7 or 7.0); CD-ROM drive with 150 KB/sec throughput; System 6.0.5 or later.
$149.95 retail
Grolier Electronic Publishing, Inc.; Sherman Turnpike; Danbury, CT 06816; 203-797-3530, 800-285-4534 or 203-797-3130 (fax)

The New Kid On The Block
Living Book of interactive poetry; ages 6 and up
Macintosh LC or larger; CD-ROM drive.
$39.95 approximate retail
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

New Math Blaster Plus
Math skill-building for ages 6 to 12; covers addition, subtraction, multiplication, division, fractions, decimals and percents
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$59.95 retail
Davidson & Associates, Inc.; 19840 Pioneer Ave.; Torrance, CA 90503; 310-793-0600, 800-545-7677 or 310-793-0601 (fax)

The New Reader Bookstore
Bookstore of stories and activities for new readers
Macintosh LC or larger; 2 MB of RAM; hard disk drive; CD-ROM drive; headphones suggested.
$1,600 retail; lab pack and network pricing available
Interactive Knowledge, Inc.; 1100 S. Mint St., Ste. 209; Charlotte, NC 28203; 704-344-0055, 800-344-1502 or 704-344-1505 (fax)

■ **New York, NY**
Tour New York
Macintosh II or larger; System 7.0 or later; 8- or 24-bit color display; 32-bit color QuickDraw; CD-ROM drive; QuickTime init provided.
New York, NY lets users take a bite out of the Big Apple. Users can visit famous landmarks, stroll the avenues, shop for bargains without spending a dime and experience the hustle and bustle that makes New York the city that never sleeps.
$29.95 retail
Aris Entertainment; 310 Washington Blvd., Ste. 100; Marina del Rey, CA 92092; 310-821-0234, 800-228-2747 or 310-821-6463 (fax)

NewBook Editor
Develops critical thinking skills in the humanities
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.2 or later.
$149.95 retail
Chariot Software Group; 3659 India St., Ste. 100; San Diego, CA 92103; 619-298-0202, 800-242-7468 or 619-491-0021 (fax)

Newsbytes Vol. 4
International computing industry news
Macintosh Plus or larger; 1 MB of RAM; CD-ROM player.
$49 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

Nigel's World
Geography-based game
Macintosh LC or II; 8-bit color (256 colors); 32-bit QuickDraw; System 6.0.5 or later; CD-ROM drive..
$49.95 retail
Lawrence Productions, Inc.; 1800 S. 35th St.; Galesburg, MI 49053; 616-665-7075, 800-421-4157 or 616-665-7060 (fax)

The Night Before Christmas
Interactive story; all ages
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive; System 6.0.4 or later.
$29.95 retail
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

North American Indians
Text/image database on the history of Native Americans
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive.
$69.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A; Minneapolis, MN 55414; 612-379-3956 or 612-623-4570 (fax)

North Australian Sea Cucumbers
Multimedia information on North Australian sea cucumbers
Macintosh Classic or larger; 4 MB of RAM; System 7; CD-ROM drive.
$69 U.S. retail
Expert-Center for Taxonomic Identification (ETI); University of Amsterdam; PO Box 4766; 1009 AT Amsterdam, The Netherlands; 31-20-525-7239 or 31-20-525-7238 (fax)

Note Detective Series
Helps develop keyboard skills
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI interface; MIDI keyboard.
$100 retail
$500 retail; network license
$700 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Note Speller
Teaches notes presented on the alto, treble or bass staff
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$59.95 retail
$300 retail; network license
$420 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

■ **NoteTaker**
Teaches practical skills to ESL students
Macintosh SE or larger.
The activities in the NoteTaker series provide students with an opportunity to learn and practice one of the most common types of notetaking — highlighting. The NoteTaker series consists of three separate diskettes, each containing a unit that is geared to a successively more proficient ESL reading audience. The major features of NoteTaker are: teacher authoring system, which enables instructors to enter their own text/questions; beginning, intermediate and advanced notetaking skills levels; quiz score records include student's name, date of quiz, percentage correct and identification of incorrect answers (records may be printed out or stored in memory); student summaries may be printed out, allowing for later evaluation of writing proficiency; teacher records, override and authoring files are protected by password; and documentation includes instructions, text of readings and answer keys.
$129 retail; single copy
$349 retail; site license
RDA Mind Builders; 35 Crooked Hill Rd., Ste. 200; Commack, NY 11725; 516-499-0053, 800-654-8715 or 516-499-0389 (fax)

Number Connections
Mathematics; grades K to 3
Macintosh Plus or larger; 2 MB of RAM; hard disk drive and color monitor recommended.
$129 retail
$775 retail; network version (site license available)
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Number Munchers
Arithmetic for children ages 8 and up
Macintosh Plus or larger; hard disk drive optional; System 6.0.2 or later.
$29.95 retail
MECC; 6160 Summit Dr. N; Minneapolis, MN 55430; 612-569-1500, ext. 529, 800-685-6322, ext. 529 or 612-569-1551 (fax)

NumberMaze
Combines math and mazes; ages 5 to 12
Macintosh Plus or larger.
$59.95 retail; NumberMaze Color (also supports black and white)
Lab Packs and network versions are available
Great Wave Software; 5353 Scotts Valley Dr.; Scotts Valley, CA 95066; 408-438-1990 or 408-438-7171 (fax)

Nuts & HyperBolts
Remediates grammar skills; 10th grade and above
Macintosh Plus or larger; 1 MB of RAM; hard disk drive recommended; HyperCard 2.1.
$189.95 retail
Sterling Swift Software; 1104 Kinney Ave.; Austin, TX 78704; 512-441-8430

OceanLife
CD-ROM-based magazine
Macintosh LC or larger; 4 MB of RAM; 13-inch monitor (256 or better colors); System 6.0.8 or later; CD-ROM drive.
$39.95 retail; Volume 1: Western Pacific (Mac and Windows)
$49.95 retail; Volume 2: Micronesia (Mac and Windows)
$49.95 retail; Volume 3: Hawaii
Sumeria, Inc.; 329 Bryant St., Ste. 3D; San Francisco, CA 94107; 415-904-0800, 800-478-6374 or 415-904-0888 (fax)

Odell Down Under
Science; grades 3 to 12
Macintosh Plus or larger; 2 MB of RAM (4 MB for color or System 7); hard disk drive; System 6.0.7 or later.
$59.95 retail
MECC; 6160 Summit Dr. N; Minneapolis, MN 55430; 612-569-1500, ext. 529, 800-685-6322, ext. 529 or 612-569-1551 (fax)

Once Upon A Time... Puppet Playhouse
Children stage their own puppet shows
Macintosh Plus or larger; 1 MB of RAM; System 6.0.2 or later; printer.
$59.95 retail
$129.95 retail; lab pack
$499.95 retail; network edition
$599.95 retail; site license
Compu-Teach, Inc.; 16541 Redmond Way, Ste. 137-C; Redmond, WA 98052; 800-448-3224 or 206-883-9169 (fax)

Operation: Frog
Science/biology; grades 4 to 10
Macintosh Plus or larger; 1 MB of RAM; QuickTime requires color Macintosh and 2 MB of RAM; System 6.0.7 or later.
$99.95 retail
Scholastic Software; 555 Broadway; New York, NY 10012; 800-541-5513 or 314-635-5881 (fax)

The Orchestra
Audio notes
Macintosh Plus or larger; 1 MB of RAM; hard disk drive with 4.5 MB of free space; CD-ROM drive; System 6.0.5 or later.
$79.98 retail
Time Warner Interactive; 2210 W. Olive Ave.; Burbank, CA 91506; 818-955-9999, 800-482-3766 or 818-955-6499 (fax)

The Oregon Trail
History simulation
Macintosh Plus or larger. CD-ROM version requires 4 MB of RAM; hard disk drive; CD-ROM drive.
$49.95 retail
$69 retail; school version
$69.95 retail; CD-ROM version
MECC; 6160 Summit Dr. N; Minneapolis, MN 55430; 612-569-1500, ext. 529, 800-685-6322, ext. 529 or 612-569-1551 (fax)

Origins Of The Constitution
Explore the establishment of the government of the United States of America
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

The Panama Canal: A Royal Geographical Society Electronic Guide
Discover how this marvel united the world and divided a continent
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 12- or 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

The Paper Bag Princess
Interactive story; ages 6 and up; English/Spanish
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive; System 6.0.4 or later.
$29.95 retail
$35.95 retail; Classroom Edition
$155 retail; Lab Pack (5 discs)
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

The Parenting Disc
Basic skills courseware for parents
Macintosh LC or larger; 2 MB of RAM; hard disk drive; CD-ROM drive; headphones suggested.
$595 retail
$1,500 retail; Labpack
$2,000 retail; Network
Interactive Knowledge, Inc.; 1100 S. Mint St., Ste. 209; Charlotte, NC 28203; 704-344-0055, 800-344-1502 or 704-344-1505 (fax)

Parenting: Prenatal To Preschool
Resource guide for prospective, first-time and even veteran parents
Macintosh Plus or larger; 2 MB of RAM; color display requires 8-bit color, 32-bit QuickDraw and color monitor; System 6.0.5 or later; CD-ROM drive with audio output, ISO 9660 file access and foreign file access.
$79.99 retail
Creative Multimedia; 513 NW 13th Ave., Ste. 400; Portland, OR 97209; 503-241-4351, 800-854-9126 or 503-241-4370 (fax)

Pathfinder
Integration/interpretation of the I Ching, Tao of Power and Art of War
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.
$17 retail; Pathfinder
$12 retail; password only (to convert Pathfinder demo to complete version)
J.R. Mooneyham and Associates; 135 Lincoln Ave.; Newport, TN 37821; 615-623-0854

Pediatric Airway Obstruction
Interactive tutorial that provides training in the identification of respiratory distress in the pediatric population
Macintosh with 68030 processor or larger; 4 MB of RAM; color monitor; CD-ROM drive; System 7.0 or later.
$175 retail; individual
$495 retail; institutional
SilverPlatter Education, Inc.; 100 River Ridge Dr.; Norwood, MA 02062; 617-769-2599, 800-343-0064 or 617-769-8763 (fax)

Peter And The Wolf
Multimedia storybook
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$49.95 retail
Ebook, Inc.; 32970 Alvarado-Niles Rd., Ste. 704; Union City, CA 94587; 510-429-1331 or 510-429-1394 (fax)

Pharmacology TextStack
Educational software for Pharmacology
Macintosh Plus or larger with SuperDrive; 2 MB of free RAM; hard disk drive; HyperCard 2.1 or later; System 6.0.7 or later.
$200 retail
$500 retail; five-station site license
Keyboard Publishing, Inc.; 482 Norristown Rd., Ste. 111; Blue Bell, PA 19422; 610-832-0945, 800-945-4551 or 610-832-0948 (fax)

■ **Phrase-A-Day French For The Macintosh**
Teaches French to children; ages 5 to 12
Macintosh Plus or larger; 2 MB of RAM; high-density 800K floopy drive; System 6.0.5 or later; HyperCard 2.1 or later; HyperCard Home Stack.
Phrase-a-Day French is an innovative software program that uses the basic lessons taught. It allows users to practice writing, reading, comprehension and communications skills. Very young children are increasingly computer literate and the simple format is easy to follow.
$199 retail; entire program
$59.95 each retail; Fall, Winter, Spring and Summer
Audio-Forum; 96 Broad St.; Guilford, CT 06437; 203-453-9794, 800-243-1234 or 203-453-9774 (fax)

Physics
Complements an introductory course in classical mechanics
Macintosh 512K or larger.
$89.95 suggested retail
$99.95 retail; School Edition
$199.95 retail; Lab Pack
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

Physics Simulations Series
Innovative series that illustrates fundamental physics concepts; grades 10 to college level
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 5.0 or later.
$59 retail; single copy; individual programs
$249 retail; site license; individual programs
$149 retail; single copy; entire series
$635 retail; site license; entire series
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

Physics Tutor
Physics course for grade 9 to adult
Macintosh Plus or larger; hard disk drive recommended; System 6.0 or later.
$399 each retail
$769 retail; lab pack (six)
$999 retail; network
$699 retail; $1,399 Lab Pack; $1,899 Network; Series
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

Picaresque
Graphic novel publisher
Macintosh LC or larger; 2 MB of RAM; color monitor.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

■ **Pickleface And Other Stories**
Higher-level reading skills program
Macintosh LC, Performa 400 or larger; 4 MB of RAM; System 7.0 or later; CD-ROM drive.
Pickleface and Other Stories is the first in a series of three high-level reading skills programs designed to appeal to middle school learners. Story content focuses on the adventures of Jodi and her friends, while helping users build comprehension skills. A computerized glossary lets learners find meanings to new words highlighted throughout the stories. A help screen is available. All of the stories have exciting graphics, sound, music, hint frames, an option to let users hear the computer read all or part of the content and another option to listen to recorded human voices read the stories. The program comes with on-screen, password-protected record keeping, as well as a Teacher's menu that lets teachers modify many features.
$79.95 retail
Hartley Courseware; 3451 Dunckel Rd., Ste. 200; Lansing, MI 48911; 517-394-8500, 800-247-1380 or 517-394-9899 (fax)

Picture It!
Foreign language picture dictionary
Macintosh Plus or larger; 1 MB of RAM.
$69.95 retail
Penton Overseas, Inc.; 2470 Impala Dr.; Carlsbad, CA 92008; 619-431-0060, 800-748-5804 or 619-431-8110 (fax)

Picture Sentence Key
Teaches language-delayed students how to make sentences
Macintosh Plus or larger; 2 MB of RAM; HyperCard 1.2 or later.
$89 retail
Mayer-Johnson Co.; PO Box 1579; Solana Beach, CA 92075; 619-550-0084 or 619-550-0449 (fax)

■ **Pigmented Lesions Of The Skin**
Multimedia accelerated learning
Macintosh with 68030 processor or larger; 3 MB of RAM; color monitor; System 6.0.7 or later; CD-ROM drive.
Pigmented Lesions of the Skin contains more than 100 color images and provides quick and easy access to important clinical data on 25 different pigmented cutaneous lesions, as well as relevant histopathological information. Clinical pictures, histological slides and causes and treatments associated with each lesion are included. Both benign and malignant lesions are represented. Lesions covered include: Lentigo Maligna Melanoma, Superficial Spreading Melanoma, Nodular Melanoma, Acral Lentiginous Melanoma, Metastic Melanoma, Pigmented Basal Cell Carcinoma, Junctional Nevus, Compound Nevus, Intradermal Nevus, Congenital Nevus, Halo Nevus, Spitz Nevus, Dyplastic Nevus, Nevus Spilus, Lentigo Simplex, Solar

Lentigo, Ephelis, Cafe au lait, Blue Nevus, Mongolian Spot, Nevus of Oat, Nevus of To, Dermatofibroma, Seborrheic Keratosis, Ashy Dermatosis and Pigmented Purpura. This program is available in both English and French.
$245 retail; individual
$599 retail; institutional
SilverPlatter Education, Inc.; 100 River Ridge Dr.; Norwood, MA 02062; 617-769-2599, 800-343-0064 or 617-769-8763 (fax)

PilgrimQuest
Simulation and strategy game based on the Pilgrim's settlement at Plymouth
Macintosh LC or larger; 2 MB of RAM (8 MB with System 7); hard disk drive.
$49.95 retail
$64.95 retail; school version
Decision Development Corp.; 2680 Bishop Dr., Ste. 122; San Ramon, CA 94583; 510-830-8896, 800-835-4332 or 510-830-0830 (fax)

Pink Pete's ABC's
Learn the alphabet; ages 3 to 7
Macintosh LC or larger; 2 MB of RAM (4 MB with System 7).
$69 retail; educational version
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

Planning My Future
Career exploration program for middle school/junior high students
Macintosh Plus or larger; hard disk drive with 1.3 MB of free space; System 6.0.5 or later; printer.
$495 retail
Careerware — ISM; 810 Proctor Ave.; Industrial Park Bldg. #3; Ogdensburg, NY 13669; 800-267-1544 or 613-235-4594 (fax)

Plant Needs
Botany, biology and agricultural courseware series
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$250 retail
EduSelf/Tech Pubs Hal, Inc.; 82 Park Ave.; Rutherford, NJ 07070; 201-507-0030 or 201-507-0192 (fax)

The Playroom
Exploratory learning for children ages 3 to 6 years
Macintosh Plus or larger; 1 MB of RAM (2 MB for color with System 7); hard disk drive; System 6.0 or later.
$37.50 approximate retail
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

Plexers And More Plexers
Encourage language exploration and thinking skills
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$29.95 retail
$49.95 retail; Five pack
$69.95 retail; 10 pack
$99.95 retail; Network version (up to 30 stations)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

Poe's Tales Of Terror
Poe's most chilling stories
Macintosh LC or larger; 2 MB of free RAM; color monitor; 2 MB of free hard disk space; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Poetry In Motion, By Ron Mann
Allows users to see, hear and read poetry by today's greatest poets
Macintosh LC or larger; 4 MB of RAM; 256-color monitor; hard disk drive; System 6.0.7 or later; QuickTime-compatible CD-ROM drive.
$29.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

Point Of View: An Overview Of United States History 2.0
Research, presentation and authoring software series; grades 8 and up
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; videodisc player (optional, but necessary for videodisc use); System 6.0.7 or later for use with QuickTime.
$299.95 retail
Scholastic Software; 555 Broadway; New York, NY 10012; 800-541-5513 or 314-635-5881 (fax)

Point Of View: The Civil War And Reconstruction 2.0
Social studies; grades 8 to 12
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; videodisc player (optional, but necessary for videodisc use); System 6.0.7 or later for use with QuickTime.
$249.95 retail
Scholastic Software; 555 Broadway; New York, NY 10012; 800-541-5513 or 314-635-5881 (fax)

The Pond
Mathematics; grades 2 to adult
Macintosh Plus or larger; 1 MB of RAM.
$79 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Pope: "The Rape Of The Lock" And "Epistle To Dr. Arbuthnot"
Electronic text
Macintosh Plus or larger; word processing program.
$59 retail
Shakespeare on Disk; Hollow Rd., PO Box 299M; Clinton Corners, NY 12514; 914-266-5705 or 914-876-6918 (fax)

Popol Vuh
Interactive text/graphics adventure
Macintosh Plus or larger, except IIfx; hard disk drive.
$24.95 retail
$150; license for 10 copies for lab use
Servando Gonzalez; 1906 Roys Ln.; Mobile, AL 36605; 205-473-6647

Portraits Of Famous People Series
Profiles mathematicans, scientists, artists, authors and poets
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$29.95 retail; each title
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

Portraits Of Famous Women Series
Profiles women artist, mathematicians, writers and scientists
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$29.95 retail; each title
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

■ **Portuguese Grammar: A Review**
Teaches Portuguese language
Macintosh Plus or larger; 1 MB of RAM; HyperCard 2.0 or later.
Portuguese Grammar is a tutorial review by the self-learner or as a supplement to existing elementary or intermediate-level Portuguese textbooks. Nearly 900 information and exercises "cards" cover all verb tenses and voices, and other aspects of grammar. Explanations of grammar usage are given in English in "scrolling" fields. A broad range of exercises and tests follow each explanation. Immediate feedback on right choices and explanations of mistakes is possible through the use of the mouse cursor, without keyboarding.
$24.95 retail
Audio-Forum; 96 Broad St.; Guilford, CT 06437; 203-453-9794, 800-243-1234 or 203-453-9774 (fax)

PowerPitch
Pocket-sized box that turns a MIDI synth into a powerful ear-training talent amplifier
Macintosh Plus or larger.
$129 retail
Musicworks; 18 Haviland St., Ste. 22; Boston, MA 02115; 617-266-2886

■ **Pre-GED**
For students not ready for high school-level material
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or above; CD-ROM drive.
These extraordinary programs can be used to prepare for high school equivalency. They contain the most extensive collection of material available. Included are: Citizenship Series; How our Government Works; Special Topics in Math; Mathematics-Grade 6; Math Word Problems-3-8; Sports Problems I-III; Learning to Write; Life Skills English; Elementary Science I and II; Danger of Drugs; Dieting; Vitamins, Minerals and Health Foods; Pregnancy and You; Prenatal Baby Care; New Baby Care; Reading and Interpreting Literature A, B and D; Victoria Reading Comprehension A-C; and Step-by-Step Reading AA-E.
$495 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Prehistoria
A multimedia "Who's Who of Prehistoric Life"
Macintosh LC II or larger; 68020 CPU; 16 MHz or faster; CD-ROM drive with 125 KB/sec or higher transfer rate.
$69.95 retail
Grolier Electronic Publishing, Inc.; Sherman Turnpike; Danbury, CT 06816; 203-797-3530, 800-285-4534 or 203-797-3130 (fax)

Preschool Pack
Color preschool program
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.
$39.95 retail
Nordic Software, Inc.; PO Box 6007; Lincoln, NE 68506; 402-488-5086 or 402-488-2914 (fax)

Presidential Election Project
Comprehensive database of election information from 1789 to 1988; grades 10 to college level
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later; HyperCard 2.0.
$79 retail; single copy
$349 retail; site license
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

Prewriting Stacks
Routines to help writers get started on their writing
Macintosh Plus or larger; hard disk drive; HyperCard 1.2.
$35 retail
Chariot Software Group; 3659 India St., Ste. 100; San Diego, CA 92103; 619-298-0202, 800-242-7468 or 619-491-0021 (fax)

■ **Prime Suspect Reading Adventure**
Reading adventure
Macintosh II or larger; System 6.0.7 or later; 2 MB of RAM (4 MB for System 7); 256-color monitor.
Prime Suspect is an edutainment, reasoning adventure where users are the main character. Put on a thinking cap and prepare to meet the shadiest characters ever in a computer program. Prime Suspect features three unique mysteries in one; fantastic background music; superior interface; 10 suspects; dozens of clues; builds reading and thinking skills; is totally interactive; and contains online help screen.
$59 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

Pronunciation Plus
Teaches pronunciation to English as a Second Language students
Macintosh Plus or larger; 4 MB of RAM; color monitor (640 by 480 by 256 colors); System 7.0 or later; CD-ROM drive.
$395 retail

DynEd International, Inc.; 989 E. Hillsdale Blvd., Ste. 130; Foster City, CA 94404; 800-765-4375, 415-578-8067 or 415-578-8069 (fax)

Pronunciation Tutor With Sound
Teaches correct pronunciation and intonation
Macintosh Plus or larger; hard disk drive; HyperCard.
$59.95 retail; German
$49.95 retail; French and Spanish
$39.95 retail; Russian
Gessler Educational Software; 55 W. 13th St.; New York, NY 10011; 212-627-0099 or 212-627-5948 (fax)

Protozoa
Explore the life processes of single-celled organisms
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$59.95 retail; School version
$99.95 retail; Lab pack (five)
$149.95 retail; Lab pack (10)
$299.95 retail; Network version (one server, up to 30 stations)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

PSI: Progressive Science Instruction — Life Science
Multimedia bilingual science program
Macintosh with 2 MB of RAM; hard disk drive; System 6.0.5 or later.
$100 per unit retail; non-videodisc version
$150 per unit retail; videodisc version
$5.50 each retail; Teacher's Manual
$9.50 each retail; Student Study Guide
$100 retail; Class Manager (only one copy is needed for all six units)
Integrated Learning Systems, Inc.; 218 Main St., Ste. 438; Kirkland, WA 98033; 206-827-4668 or 206-827-7370 (fax)

Puzzle Master
Ultimate software program for the consummate puzzle fan
Macintosh Plus or larger; 1 MB of RAM.
$49.95 retail
Centron Software, Inc.; 1500 Hwy. 15-501 N; Southern Pines, NC 28387; 910-692-2009, 800-848-2424 or 910-692-2173 (fax)

Puzzle Tanks
Game of numbers and logic; grades 3 to adult
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; or two 800K disk drives.
$79 retail
$475 retail; network version (site license available)
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

PuzzleMaker
Educational tool that makes jigsaw puzzles educational and fun; includes sound and labeling
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.7 or later.
$79.95 retail
Imateq Systems Corp.; 108 Scandia Rise NW; Calgary, Alberta, Canada T3L 1V6; 403-285-9551

■ **Quick English**
For intermediate to advanced learners of English as a second language
Macintosh LC III or larger; 3 MB of RAM; System 6.0.7 or later; 13-inch color monitor; CD-ROM drive.
Quick English is video-based multimedia instruction for intermediate to advanced learners of English as a Second Language. It provides 10 video lessons in conversational American English focusing on Social Skills (making phone calls, greetings and farewells, invitation to a movie, having a party at home) and Planning and Scheduling (making airline reservations, buying tickets for a concert, making a dentist appointment, getting a haircut and a style, changing an appointment). Each lesson features QuickTime video with dialog of native speakers in daily situations. Different sections include: grammar/usage, vocabulary, culture, language games, practice questions and mastery test. The program also includes Slow Audio and Video branching.
$179 retail
Exceller Software Corp.; 2 Graham Rd. W; Ithaca, NY 14850; 607-257-5634 or 607-257-1665 (fax)

QuickStudy!
Online testing program for business training, employee screening and education
Macintosh Plus or larger; hard disk drive; System 6.0.4 or later.
$69.95 retail
$49.95 retail; educational institutions
Software Solutions; 6404 E. Oak St.; Evansville, IN 47715; 812-477-3181

Quiz And Study Questions
Study disks
Any Macintosh.
$79 each retail
Shakespeare on Disk; Hollow Rd., PO Box 299M; Clinton Corners, NY 12514; 914-266-5705 or 914-876-6918 (fax)

Rabacadabra's Fun With Animals
Introduces/reinforces alphabet, spelling, math and memory skills; ages 3 to 9
Macintosh Plus or larger; hard disk drive; System 6.0.5 or later.
$64.95 retail
Educational Software Products, Inc.; PO Box 222332; Chantilly, VA 22022; 703-264-1913 or 703-620-3547 (fax)

Radiographic Anatomy And Positioning VideoIndex
Radiographic education and reference system
Macintosh Plus or larger with a SuperDrive; 2 MB of free RAM; hard disk drive; System 6.0.7 or later; HyperCard 2.1; videodisc player with RS-232 connector; video monitor.
$300 retail; Radiographic VideoIndex
$700 retail; five-station site license
$700 each retail; Radiographic Anatomy And Positioning Videodisc
Keyboard Publishing, Inc.; 482 Norristown Rd., Ste. 111; Blue Bell, PA 19422; 610-832-0945, 800-945-4551 or 610-832-0948 (fax)

■ **Radiologic Anatomy**
Interactive multimedia program covering the fundamentals of normal anatomy
Macintosh Plus or larger; 3 MB of RAM; 6 MB of free hard disk space; color video monitor; laser videodisc player with a serial port; HyperCard 2.1; System 6.0.7 or later.
Radiologic Anatomy is an interactive, self-directed educational program covering the fundamentals of normal anatomy found on common diagnostic imaging studies. It is designed for medical students and students of other health professions. Interns, residents and practicing physicians will also find it a helpful review of anatomy and imaging. Radiologic Anatomy utilizes a computer and laser videodisc or CD-ROM workstation to create an interactive learning environment. Radiographs, video segments showing fluoroscopy and radiologic techniques and cadaveric still photographs are combined with textual descriptions of the pertinent structure, image or video. The software allows flexible navigation and access to correlative information at any point, and a quizzing function gives users immediate feedback. The ASRT has certified Radiologic Anatomy for 32 continuing education credits.
$2,000 retail; videodisc
$1,000 retail; CD-ROM version
Gold Standard Multimedia Inc.; 235 S. Main St., Ste. 115; Gainesville, FL 32601; 904-373-1100, 800-375-0943 or 904-373-7124 (fax)

Random House Unabridged Dictionary, 2nd Edition
Reference on CD-ROM; more than 315,000 entries
Macintosh with 1 MB of RAM; 1 MB of free hard disk space; System 6.0.3 or later; CD-ROM drive.
$79 retail
Random House Reference and Electronic Publishing; 201 E. 50th St.; New York, NY 10022; 212-940-7394, 800-733-3000 (ordering information) or 212-572-4997 (fax)

Read-A-Rama
Reading; ages 5 to 8
Macintosh 128K, 512K or SE/30 (black and white only); System 6.0.1 or earlier.
$59.95 retail
Unicorn Software; 6000 S. Eastern Ave., Bldg. 9, Ste. A; Las Vegas, NV 89119; 702-597-0818 or 702-597-0008 (fax)

Reader Rabbit 1
Builds early reading and thinking skills; ages 3 to 6
Macintosh Plus or larger.
$59.95 retail
The Learning Co.; 6493 Kaiser Dr.; Fremont, CA 94555; 510-792-2101, 800-852-2255 or 510-792-9628 (fax)

Reader Rabbit 2
The wonder of words come to life in animated splendor as Reader Rabbit guides children through the next stage of critical early reading skills; ages 5 to 8
Macintosh Plus or larger; hard disk drive; System 6.0.5 or later.
$59.95 retail
The Learning Co.; 6493 Kaiser Dr.; Fremont, CA 94555; 510-792-2101, 800-852-2255 or 510-792-9628 (fax)

Reading Magic Library
Animated interactive storybooks that let users choose what happens next
Macintosh Classic or larger; 2 MB of RAM.
$59.95 each retail
Tom Snyder Productions, Inc.; 80 Coolidge Hill Rd.; Watertown, MA 02172; 617-926-6000, 800-342-0236 or 617-926-6222 (fax)

ReadingMaze
Language arts program
Macintosh Plus or larger.
$59.95 retail; color (also supports black and white)
Lab Packs and network versions are available
Great Wave Software; 5353 Scotts Valley Dr.; Scotts Valley, CA 95066; 408-438-1990 or 408-438-7171 (fax)

The Ready Course
Life skills reading courseware for adults
Macintosh LC or larger; 2 MB of RAM; hard disk drive; CD-ROM drive; headphones suggested.
$595 retail
$1,500 retail; Labpack
$2,000 retail; Network
Interactive Knowledge, Inc.; 1100 S. Mint St., Ste. 209; Charlotte, NC 28203; 704-344-0055, 800-344-1502 or 704-344-1505 (fax)

Reasoning Skills
Programs for improving reading, comprehension, logic and critical thinking skills; grades 5 to 12
Macintosh Plus or larger; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

RedShift Multimedia Astronomy
Multimedia Planetarium on the desktop
Macintosh LCII or larger; 4 MB of RAM; 1.5 MB of free disk space; color monitor; System 7.0 or later; CD-ROM drive.
$99 retail
Maris Multimedia; 3871 Piedmont Ave.; Oakland, CA 94611; 510-652-4746, 800-336-0185 or 510-652-3226

Renaissance & Reformation
Learn of the birth of Lutheranism and its spread over Europe and the Renaissance in Europe.
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM drive.
$195 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Research Paper Writer
Provides a context for learning the steps for writing a research paper; grades 7 and up
Macintosh Plus or larger; 1 MB of RAM.
$99.95 retail; CD-ROM version available

Tom Snyder Productions, Inc.; 80 Coolidge Hill Rd.; Watertown, MA 02172; 617-926-6000, 800-342-0236 or 617-926-6222 (fax)

Richard Scarry's Busytown
Hours of fun and learning by doing; ages 3 to 7
Macintosh LC or larger; 4 MB of RAM; hard disk drive (12 MB for full install, 6 MB for partial); color monitor; System 6.0.7 or later; CD-ROM drive.
$49.95 retail
Paramount Interactive; 700 Hansen Way; Palo Alto, CA 94304; 415-812-8200 or 415-813-8055 (fax)

■ **Richard Scarry's How Things Work In Busytown**
Children learn of real-life expereinces; ages 3 to 6
Any 256-color Macintosh with 68030 processor or larger; 4 MB of RAM; System 6.0.7 or later.
Richard Scarry's How Things Work in Busytown will give children a genuine sense of accomplishment as they learn how things work in Busytown. Children will join Huckle Cate and Lowly Worm in fun-filled activities like building a tractor, harvesting wheat, grinding it into flour and baking treats at Busytown bakery. A variety of real-life experiences emphasize cause-and-effect relationships and early learning skill, such as word recognition, counting and problem solving. Features include: eight interrelated playgrounds where children explore how things work together in a community; players develop early learning skills and a sense of accomplishment by getting involved in Busytown tasks; and graduating levels and seven original songs allow children room to grow in a toe-tapping environment.
$49.95 retail
Paramount Interactive; 700 Hansen Way; Palo Alto, CA 94304; 415-812-8200 or 415-813-8055 (fax)

Richard Strauss: Three Tone Poems CD Companion, By Russell Steinberg
Explore three of Strauss' most beloved works
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; CD-ROM drive; HyperCard 2.0.2 or later; System 6.0.5 or later; headphones or speaker if external CD-ROM drive..
$59.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

The Riddle Of The Swastika: A Study In Symbolism
Interactive electronic book
Macintosh Plus or larger; hard disk drive with 3.5 MB free space; HyperCard 1.2 or later.
$29.95 retail
$200; license for 10 copies for lab use
Servando Gonzalez; 1906 Roys Ln.; Mobile, AL 36605; 205-473-6647

Riddler
Educational software system
Macintosh Plus or larger.
$49.95 retail
Threshold Publishing Co.; Ted Schooley; 1921 Corporate Square Blvd.; Slidell, LA 70458; 504-649-0484 or 504-649-3849 (fax)

Rikki-Tikki-Tavi
Classic tale; ages 9 to 14
Macintosh LC or larger; 2 MB of free RAM; 256-color display; System 7.0 or later; CD-ROM drive.
$59.95 retail
Westwind Media; RR #5, Box 5833; Lake Ariel, PA 18436; 717-937-3000, 800-937-8555 or 717-937-3200 (fax)

RoboMath
Mathematics
Macintosh Plus or larger; System 6.0 or later; hard disk drive recommended.
$69.99 retail
$185 retail; lab pack (six)
$499 retail; network
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

Rome
An overview of Roman history
Macintosh LC or larger; 2 MB of free RAM; color monitor; CD-ROM drive.
$195 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

The Rosetta Stone Language Package — Level Ia
Language study aid; Spanish, English, French or German
Any color-capable Macintosh (8-bit minimum); 2 MB of RAM (4 MB for System 7); hard disk drive; System 6.0.7 or later; sound recording feature requires Macintosh with a microphone jack or external audio digitizer; CD-ROM drive.
$395 each retail
Fairfield Language Technologies; 122 S. Main St., Ste. 400; Harrisonburg, VA 22801; 703-432-6166, 800-788-0822 or 703-432-0953 (fax)

■ **The Rosetta Stone PowerPac**
Language study aid; Spanish, English, French and German
Any color-capable Macintosh; 2 MB of RAM (4 MB for System 7); hard disk drive; sound feature requires microphone; CD-ROM drive.
The Rosetta Stone PowerPac is a multimedia CD-ROM introduction to four languages: Spanish, French, German and English. Taken from The Rosetta Stone Library, it features 22 lessons in each language. The Rosetta Stone PowerPac is an immersion style, interactive, multimedia program for beginners that uses native speakers and 880 real-life color pictures in the presentation of carefully-sequenced, step-by-step instruction. The program elicits users' response and gives instantaneous feedback in a game-like, natural learning environment. New vocabulary and syntax are integrated to create an intuitive learning process similar to the way a native language is learned. Voice record and dictation modes are included.
$99 retail
Fairfield Language Technologies; 122 S. Main St., Ste. 400; Harrisonburg, VA 22801; 703-432-6166, 800-788-0822 or 703-432-0953 (fax)

The Rosetta Stone — CD Demo Disc
Demonstration package containing 12 chapters in each of five languages (Spanish, English, French, German and Russian)
Any color-capable Macintosh (8-bit minimum); 2 MB of RAM (4 MB for System 7); hard disk drive; System 6.0.7 or later; sound recording feature requires Macintosh with a microphone jack or external audio digitizer; CD-ROM drive.
$9.95 retail
Fairfield Language Technologies; 122 S. Main St., Ste. 400; Harrisonburg, VA 22801; 703-432-6166, 800-788-0822 or 703-432-0953 (fax)

■ **Russian-On-A-Disk**
Practice and learn Russian inflectional forms
Macintosh Plus or larger; System 6.0.7 or later.
Russian-on-a-Disk contains an intelligent and effective approach to practicing and learning Russian inflectional forms. It contains full inflections of 500 nouns, 400 verbs, 200 adjectives (long and short forms, comparatives), all pronouns, pronominal adjectives, numerals, most irregular words and a representative sample of regular words. It sorts master lists by gender, stem-type, declension-type, stress-type, etc.; and prints out an unlimited number of customized quizzes, review sheets and full inflections. It contains both type-in and on-screen flashcard drills. Users can drill with or without vowel stress and drill selected forms or all forms at once. It contains textbook-independent and user-customizable courses and texts.
$49 retail
Audio-Forum; 96 Broad St.; Guilford, CT 06437; 203-453-9794, 800-243-1234 or 203-453-9774 (fax)

Safari Search
Critical thinking and logic; grades 3 to adult
Macintosh Plus or larger; 1 MB of RAM.
$79 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Sailing Master
Simulates a sailboat race on a standard course; ideal for learning or teaching sailing and racing concepts
Macintosh Plus or larger.
$64.99 retail
Starboard Software; PO Box 1462; Royal Oak, MI 48068; 810-545-9928 or 810-545-9049 (fax)

Salt of the Earth
Portrait of courage during 1951 strike
Macintosh 68030/25 MHz processor or better; 5 MB of RAM; 13-inch color monitor; System 7; CD-ROM drive (double speed recommended).
$49.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

The San Diego Zoo Presents...The Animals!
Multimedia learning adventure; explores the relationship between animals, man and the environment
Macintosh LC or larger; 4 MB of RAM; System 6.0.7 or later; 12- or 13-inch RGB color monitor; QuickTime Extension 1.5 or later; 32-bit color QuickDraw under System 6.0.7; CD-ROM drive.
$99.95 retail
The Software Toolworks; 60 Leveroni Ct.; Novato, CA 94949; 415-883-3000, 800-234-3088 or 415-883-3303 (fax)

Say & See
Pronunciation training software
Macintosh SE/30 or II family; external digitizer; microphone.
Call for ordering information; site licenses available
Emerson & Stern Associates, Inc.; 10150 Sorrento Valley Rd., Ste. 210; San Diego, CA 92121; 619-457-2526 or 619-457-1876 (fax)

Scary Poems For Rotten Kids
Interactive poems; ages 8 and up; English/Spanish
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive; System 6.0.4 or later.
$29.95 retail
$35.95 retail;Classroom Edition
$155 retail; Lab Pack (five discs)
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

The Scholastic Process Writer
Process writing software that motivates and guides young students; grades 4 to 7
Macintosh Plus or larger; 1 MB of RAM.
$99.95 retail
Scholastic Software; 555 Broadway; New York, NY 10012; 800-541-5513 or 314-635-5881 (fax)

Scholastic SuperPrint For The Macintosh
Classroom publishing; grades K to 12
Macintosh Plus or larger; 1 MB of RAM (2 MB for color); hard disk drive recommended; System 6.0.7 or later.
$99.95 retail
$149.95 retail; Bilingual/Spanish Edition
Scholastic Software; 555 Broadway; New York, NY 10012; 800-541-5513 or 314-635-5881 (fax)

Schubert: "The Trout" Quintet CD Companion, By Alan Rich
Music exploration
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; CD-ROM drive; HyperCard 2.0.2 or later; System 6.0.5 or later, speaker or headphones.
$59.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

Science 2000
Integrated, activity-based, multimedia 5th through 8th grade science curriculum
Macintosh LC or larger; 2 MB of RAM; 20 MB hard disk drive; color display/video card; laserdisc player with RS-232 interface and/or bar-code reader; NTSC video display with audio; System 6.0.5 or later.
Call for pricing

Decision Development Corp.; 2680 Bishop Dr., Ste. 122; San Ramon, CA 94583; 510-830-8896, 800-835-4332 or 510-830-0830 (fax)

Science CAP 3.0
Curriculum assistance program
Macintosh with 2 MB of RAM (4 MB with System 7); System 6.0.5 or later; CD-ROM drive.
$399 retail; Science CAP 2.0 (CD-ROM or 3.5 HD diskettes)
$699 retail; Science CAP 3.0 (CD-ROM only) single user
$1,249 retail; Science CAP 3.0 (CD-ROM only) five users
$1,999 retail; Science CAP 3.0 (CD-ROM only) 10 users
$5,499 retail; Science CAP 3.0 (CD-ROM only) 25 users
DEMCO, Inc.; 4810 Forest Run Rd.; Madison, WI 53704; 608-241-1201, 800-831-0678, 800-356-1200 (orders) or 608-241-1799 (fax)

Science Study Aids
Classroom experiments
Macintosh Plus or larger; 1 MB of RAM; HyperCard 2.0 or later.
$80 retail
Full Circle Media; 25 Valley View Ave.; San Rafael, CA 94901; 415-453-9989

Score 800
Prepare for the English SAT and ACT tests, plus the English, History and Biology Achievement tests
Macintosh Plus or larger; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Score Improvement For The SAT
SAT preparation; grades 7 to 12
Macintosh 512K or larger, except IIsi.
$99.95 retail
Springboard Educational Software; A Division of Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0908, 800-232-2224 or 203-336-2481 (fax)

ScreenShare
Network utility for demonstrating computer programs and techniques in a computer lab
Macintosh Plus or larger; LocalTalk, Ethernet, PhoneNET or other network (no server required).
$329 per network retail; volume discounts and a free demo disk are available
White Knight Software Corp.; Box 564; 810 West Broadway; Vancouver, BC, Canada V5Z 4C9; 604-290-4855 or 604-430-0144 (fax)

Scuffy And Friends
Beginning reading comprehension program
Macintosh LC or larger; 4 MB of RAM; System 7.0 or later.
$69.95 retail
Hartley Courseware; 3451 Dunckel Rd., Ste. 200; Lansing, MI 48911; 517-394-8500, 800-247-1380 or 517-394-9899 (fax)

Search For Your Israeli Cousin
Provides information about the history and geography of the land of Israel
Macintosh Plus or larger; 1 MB of RAM; HyperCard 2.0 or later.
$39.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

Secra
Interpersonal exchange simulation
Macintosh 512K or larger; System 4.1 or later.
$59.95 retail
$350 retail; site license
InfoTag; 5121 Boulevard Rosemont; Montreal, Quebec, Canada H1T 2E9; 514-727-2557 or 514-254-2517 (fax)

The Secret Codes Of C.Y.P.H.E.R.: Operation U.S. Presidents
An exciting adventure through Presidential history; ages 8 to adult
Macintosh Plus or larger; 1 MB of RAM (2 MB for color); hard disk drive (for color only); System 6.0.2 or later (System 6.0.5 or later for color).
$59.95 retail
$69.95 retail; school version
$139.95 retail; lab pack (five)
Tanager Software; 1933 Davis St., Ste. 208; San Leandro, CA 94577; 510-430-0900, 800-841-2020 or 510-430-0917 (fax)

The Secret Codes Of C.Y.P.H.E.R.: Operation Wildlife
Learning game; ages 8 to adult
Macintosh Plus or larger; 1 MB of RAM (2 MB for color); hard disk drive (for color only); System 6.0.2 or later (System 6.0.5 or later for color).
$59.95 retail
$69.95 retail; school version
$139.95 retail; lab pack (five)
Tanager Software; 1933 Davis St., Ste. 208; San Leandro, CA 94577; 510-430-0900, 800-841-2020 or 510-430-0917 (fax)

The Secret Island Of Dr. Quandary
Fantasy adventure that combines the visual excitement of digitized images with mind-bending brain teasers; ages 8 to adult
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.
$49.95 retail
MECC; 6160 Summit Dr. N; Minneapolis, MN 55430; 612-569-1500, ext. 529, 800-685-6322, ext. 529 or 612-569-1551 (fax)

See The U.S.A. "The New Quiz Edition"
Geography, history and social sciences; ages 8 and up
Macintosh Plus or larger; 1 MB of RAM.
$59.95 retail
$129.95 retail; lab pack
$499.95 retail; network edition
$599.95 retail; site license
Compu-Teach, Inc.; 16541 Redmond Way, Ste. 137-C; Redmond, WA 98052; 800-448-3224 or 206-883-9169 (fax)

The Selfish Giant
Interactive story about a giant who learns a lesson about selfishness
Macintosh LC, II, Quadra or Performa; 4 MB of RAM; 13-inch color monitor; CD-ROM drive.
$39.95 retail
Sanctuary Woods Multimedia Corp.; 1825 S. Grant St., Ste. 410; San Mateo, CA 94402; 415-578-6340 or 415-578-6344 (fax)

Senior High Writing Series
Language arts; grade 9 to adult
Macintosh Plus or larger; hard disk drive recommended; System 6.0 or later.
$229 retail
$595 retail; lab pack (six)
$999 retail; network
MindPlay; PO Box 36491; Tucson, AZ 85740; 602-888-1800, 800-221-7911 or 602-322-0363 (fax)

Senses
Provides an understanding of the mysteries of human perception
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$59.95 retail; School version
$99.95 retail; Lab pack (five)
$149.95 retail; Lab pack (10)
$299.95 retail; Network version (one server, up to 30 stations)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

SensorNet
Data collection for science education labs; grades 5 to sophomore college
Macintosh Plus or larger; System 6.0.4 or later.
$475 to $749 retail; starter packages
$189 to $455 retail; individual interfaces
$40 to $195 retail; sensors and probes
AccuLab Products Group; 200 California Ave., Ste. 217; Palo Alto, CA 94306; 415-325-5898 or 415-325-5899 (fax)

■ **The Sentence Master**
Improves reading comprehension
Any Macintosh.
The Sentence Master is a revolutionary program for children and adults who have failed to learn to read. The primary goal of the program is to overtrain the often elusive non-content words (such as "the," "is," "and") and word endings (such as "s," "-ed," "-ing"). Although there are only about 150 commonly used non-content words in the English language, these "little words" make up almost half of the text on any page of text and are major determiners of meaning. By truly teaching these words, The Sentence Master gives learners control over half of any page they will ever encounter. Mastery of these words significantly improves both decoding and comprehension skills. Each of the four levels of The Sentence Master contains four Word Activites, eight Animated Stories and eight Reproducible Story Booklets. Interface options include the keyboard, mouse, TouchWindow or a single switch. At the end of a lesson, a detailed performance summary can be saved to disk or printed out.
$475 retail; per level
$1,425 retail; for all four levels
Laureate Learning Systems, Inc.; 110 E. Spring St.; Winooski, VT 05404; 802-655-4755, 800-562-6801 or 802-655-4757 (fax)

Seven Days In August
Interactive documentary that recalls the week in 1961 when the Berlin Wall was constructed
Color Macintosh; 4 MB of RAM; 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$79.98 retail
Time Warner Interactive; 2210 W. Olive Ave.; Burbank, CA 91506; 818-955-9999, 800-482-3766 or 818-955-6499 (fax)

Shakespeare
The complete works: 37 plays, 159 sonnets and poems
Macintosh Plus or larger; 2 MB of RAM; color display requires 8-bit color, 32-bit QuickDraw and color monitor; System 6.0.5 or later; CD-ROM drive.
$29.99 retail
Creative Multimedia; 513 NW 13th Ave., Ste. 400; Portland, OR 97209; 503-241-4351, 800-854-9126 or 503-241-4370 (fax)

Shakespeare And The Globe Theatre
Provides a comprehensive introduction to Shakespeare
Macintosh Plus or larger; hard disk drive; HyperCard 1.2 or later; printer optional.
$129 retail
$500 retail; site license (50 workstations)
Shakespeare on Disk; Hollow Rd., PO Box 299M; Clinton Corners, NY 12514; 914-266-5705 or 914-876-6918 (fax)

Shakespeare On Disk
Includes the plays and sonnets of William Shakespeare
Any Macintosh; word processing program.
$350 retail; Complete Set (37 plays plus sonnets)
$175 retail; Twenty Favorite Plays
$75 retail; Seven Great Tragedies
Shakespeare on Disk; Hollow Rd., PO Box 299M; Clinton Corners, NY 12514; 914-266-5705 or 914-876-6918 (fax)

Shakespeare Scholar Series
Study disks
Any Macintosh.
$79 each retail
Shakespeare on Disk; Hollow Rd., PO Box 299M; Clinton Corners, NY 12514; 914-266-5705 or 914-876-6918 (fax)

■ **Shakespeare's Life And Times CD-ROM**
Interactive guide to Shakespearean study; grades 8 to college level
Macintosh Plus or larger; 4 MB of RAM; System 6.0.7 or later; QuickTime 1.6.1; color monitor; CD-ROM drive.
Shakespeare's Life and Times is a CD-ROM exploration of Elizabethan England that enables students to

gain a deeper understanding of Shakespeare's plays via interlinking subjects. Topics cover Shakespeare's life, stage and plays, as well as the social, intellectual and literary background of the times. Highlights of this CD include more than 200 color graphics of Renaissance life and art; enhanced sections on Renaissance art, architecture and music; video clips of Renaissance dance; and texts and concordances of 18 of Shakespeare's plays. A powerful "Topics" tool allows users to set up customized links and annotations within the program and students may "block" scenes from some plays using a special module, "The Shakespeare Director." This tutorial provides a vivid, realistic context in which to understand Shakespeare.
$89 retail
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

Shakespeare's Life And Times School Version
Interactive guide to Shakespearean study; grades 11 to college level
Macintosh Plus or larger; 1 MB of RAM; hard disk drive with 6 MB of free space (additional 5 MB for optional sounds); System 6.0.7 or later; HyperCard 2.1 or later.
$79 retail; single copy
$349 retail; site license
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

Shakespeare's Macbeth
Contains information on the history, production and text of Macbeth
Macintosh Plus or larger; 1 MB of RAM; HyperCard 2.0 or later.
$69 retail
Learning Tomorrow; 1 E. Main St.; Bloomsburg, PA 17815; 800-722-1978

Shakespeare's Romeo & Juliet
Contains information on the history, production and text of Romeo & Juliet
Macintosh Plus or larger; 1 MB of RAM; HyperCard 2.0 or later.
$69 retail
Learning Tomorrow; 1 E. Main St.; Bloomsburg, PA 17815; 800-722-1978

Shakespeare's Works
William Shakespeare's plays and complete sonnet cycle
Macintosh Plus or larger.
$49 retail
Books-On-Disk; 311 Harvard St.; Brookline, MA 02146; 617-734-9700 or 617-734-3974 (fax)

■ Shapes
Images, mini-essays, music and captions
Macintosh with 68030 processor; 4 MB of RAM; System 7.0 or later; 8-bit, 256-color monitor; dual-speed CD-ROM drive.
Shapes is a valuable resource for people involved in the visual arts. Each volume of Shapes provides 400 superb images, 10 mini-essays, original music and captions illustrating elements of basic design present in nature and the built environment. The material is available, royalty-free, for use in print. Elements of design covered include line, areas and planes, texture, mass, form and rhythm. Shapes will help users to look more critically at their surroundings. Working from a collection of 100 source images, three additional variants of each image are provided featuring a wide variety of creative effects. This gives a unique demonstration of the creative possibilities of image manipulation. Whether teaching, working or studying in the area of visual arts, Shapes will prove to be an indispensable resource in helping users to see our familar world in a new light.
$39.95 each retail; Vol. One: Design in Nature or Vol. Two: Man-Made Design
$29.95 retail; education
Plum Productions; Bartley House; Main Rd., East Boldre; Brockenhurst, Hampshire, UK S042 7WT; +44-590-612443 or +44-590-612423 (fax)

Sherlock Holmes On Disc
The complete works of Sir Arthur Conan Doyle's Sherlock Holmes
Macintosh Plus or larger; 2 MB of RAM; color display requires 8-bit color, 32-bit QuickDraw and color monitor; System 6.0.5 or later; CD-ROM drive.
$29.99 retail
Creative Multimedia; 513 NW 13th Ave., Ste. 400; Portland, OR 97209; 503-241-4351, 800-854-9126 or 503-241-4370 (fax)

SHOPWARE Educational Systems
Computerized training and testing materials for vocational education
Macintosh LC or larger; System 6.0.4 or later.
Call for pricing
SHOPWARE, Inc.; 101 Hill Rd.; Aberdeen, WA 98520; 206-532-3392, 800-487-3392, 206-533-5172 (fax) or 800-900-5172 (fax)

SHOPWARE Health Occupations Software
Nursing assistant training and testing software
Macintosh LC or larger; System 6.0.4 or later; color monitor.
Call for pricing
SHOPWARE, Inc.; 101 Hill Rd.; Aberdeen, WA 98520; 206-532-3392, 800-487-3392, 206-533-5172 (fax) or 800-900-5172 (fax)

Sightlines
Lets users access 40 centuries of visual images
Color Macintosh; 4 MB of available RAM; 8 MB of available hard disk space; 13-inch or larger color monitor; System 6.0.7 or later; CD-ROM drive.
$125 U.S. retail
DiscMore Productions Inc.; 4130 95th St.; Edmonton, Alberta, Canada T6E 6H5; 403-450-6787 or 403-450-9143 (fax)

■ Sitting On The Farm
Multimedia musical storybook in three languages; ages 7 to 10
Macintosh LC or larger; 4 MB of RAM; 8-bit color; speakers; microphone; CD-ROM drive.
Sitting on the Farm, a multimedia CD-ROM title in English, French and Spanish, teaches children reading, vocabulary and creative writing skills. It is a story and a song about a farm girl whose peaceful picnic is invaded by hungry animals. Sitting on the Farm is the first title in the I-learn Library, learning products for the home that engage and entertain while fulfilling underlying educational objectives. Sitting on the Farm incorporates multisensory features, such as animation, sound and music to provide an enlivening, integrated learning experience for children ages 7 to 10. Sitting on the Farm aims to teach language skills and to cover such subject areas as music appreciation, geography and social studies. Children use the listen-, read-, sing- and write-along modes to interact with the musical storybook and its lively characters. It also includes a fun activity booklet for kids to continue the learning experience off-computer.
$39.95 retail
Sanctuary Woods Multimedia Corp.; 1825 S. Grant St., Ste. 410; San Mateo, CA 94402; 415-578-6340 or 415-578-6344 (fax)

Slice Of Life VideoIndex
Allows users to search through more than 38,500 medical, dental, nursing and allied health images
Macintosh Plus or larger with a SuperDrive; hard disk drive; System 6.0.7 or later; HyperCard 2.1; videodisc player with RS-232 connector; video monitor.
$330 retail; Slice of Life VideoIndex
$300 retail; Slice of Live VI Videodisc
Keyboard Publishing, Inc.; 482 Norristown Rd., Ste. 111; Blue Bell, PA 19422; 610-832-0945, 800-945-4551 or 610-832-0948 (fax)

SnapDragon
Discovery/early learning; toddler to age 6
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.5 or later.
$49.95 retail
MECC; 6160 Summit Dr. N; Minneapolis, MN 55430; 612-569-1500, ext. 529, 800-685-6322, ext. 529 or 612-569-1551 (fax)

So I've Heard, By Alan Rich
Five-volume series of music, from liturgical chants of ancient times to the electronic inventions of today
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later; CD-ROM drive; headphones or speaker if external CD-ROM drive.
$24.95 each volume retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

So You Want To Be A Rock And Roll Star
Teaches users how to play piano and guitar, music theory, Karaoke and more
Any color-capable Macintosh; 4 MB of RAM; 4 MB of hard disk space; RGB monitor set to 256 colors; CD-ROM player; powered speakers, headphones or stereo system; System 6.0.7 or later.
$49.95 retail
Interactive Records; 921 Church St.; San Francisco, CA 94114; 415-285-8650, 415-282-2600 (fax) or Distributed by Ebook (510-429-1331)

■ The Social Studies CD
Learn history, geography, government
Macintosh LC or larger; 1 MB of RAM; System 6.0.7 or later; CD-ROM drive.
The Social Studies CD is a fabulous collection of programs to help users review and study various subjects in the social studies field. Topics on this CD include: MMV Government, America's Presidents, World Geography Series, U.S. Geography Series, MMV Citizenship, You and the Law, World Geography Adventures and more.
$395 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

The Society of Mind, By Marvin Minsky
Video and graphics of Minsky's theories
Macintosh with 68030/25 MHz processor or better; 5 MB of RAM; System 7; CD-ROM drive (double speed recommended).
$49.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

The Software Toolworks Presents...Capitol Hill
CD-ROM edutainment title
Macintosh LC or larger; 4 MB of RAM; 13-inch, 256-color monitor; hard disk drive; System 6.0.7 or later; CD-ROM drive.
$49.95 retail
The Software Toolworks; 60 Leveroni Ct.; Novato, CA 94949; 415-883-3000, 800-234-3088 or 415-883-3303 (fax)

The Software Toolworks Presents...Oceans Below
CD-ROM edutainment title
Macintosh LC or larger; 4 MB of RAM; 13-inch, 256-color monitor; hard disk drive; System 6.0.7 or later; CD-ROM drive.
$49.95 retail
The Software Toolworks; 60 Leveroni Ct.; Novato, CA 94949; 415-883-3000, 800-234-3088 or 415-883-3303 (fax)

The Software Toolworks Presents...Space Shuttle
CD-ROM edutainment title
Macintosh LC or larger; 4 MB of RAM; 13-inch, 256-color monitor; hard disk drive; System 6.0.7 or later; CD-ROM drive.
$49.95 retail
The Software Toolworks; 60 Leveroni Ct.; Novato, CA 94949; 415-883-3000, 800-234-3088 or 415-883-3303 (fax)

The Software Toolworks World Atlas
Reference source
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.2 or later.
$59.95 retail; disk-based version
$69.95 retail; CD-ROM version
The Software Toolworks; 60 Leveroni Ct.; Novato, CA 94949; 415-883-3000, 800-234-3088 or 415-883-3303 (fax)

The Soil And Plant Relationship
Botany, biology and agricultural courseware series
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$250 retail
EduSelf/Tech Pubs Hal, Inc.; 82 Park Ave.; Rutherford, NJ 07070; 201-507-0030 or 201-507-0192 (fax)

The Soncino Talmud On CD-ROM
Soncino translation of the Talmud
Macintosh Plus or larger; 4 MB of RAM; CD-ROM drive.
$299 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

The Sorter 1.0
A visual demonstration of various sorting algorithms
Macintosh 512KE or larger; System 6.0 or later.
$25 retail; site licenses available
The Vermont Software Co., Inc.; PO Box 731; Wells River, VT 05081; 802-757-8000 or 802-757-3234 (fax)

Sound Sentences
Builds and improves important communicative language skills
Macintosh Classic or larger; 2 MB of RAM (4 MB with System 7).
$595 retail; complete set of 10
Educational Activities, Inc.; PO Box 392; Freeport, NY 11520; 516-223-4666, 800-645-3739 or 516-623-9282 (fax)

Space Adventure
Allows users to explore space and discover its secrets
Macintosh with 2 MB of free RAM; hard disk drive with 9.2 MB of free space; high-density floppy disk drive; 256 colors or levels of gray; System 6.0.7 or later.
$59.95 retail
Knowledge Adventure; 4502 Dyer St.; La Crescenta, CA 91214; 818-542-4200, 800-542-4240 or 818-541-0205 (fax)

Space Disc
Space exploration
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; Pioneer LD-V2200 videodisc player; TV or video monitor.
$685 retail; three-volume series
Optical Data Corp.; 30 Technology Dr.; Warren, NJ 07059; 908-668-0022 or 800-524-2481

Space Fables
Provides practice in the development of inferential and factual comprehension; grades 3 to 4
Macintosh LC, LC II or larger; 4 MB of RAM; System 7.0 or later; CD-ROM drive.
$89.95 retail
Hartley Courseware; 3451 Dunckel Rd., Ste. 200; Lansing, MI 48911; 517-394-8500, 800-247-1380 or 517-394-9899 (fax)

Space Series — Apollo
Chronicle of man's quest to walk on the Moon
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive.
$69.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A; Minneapolis, MN 55414; 612-379-3956 or 612-623-4570 (fax)

Space: A Visual History Of Manned Space Flight
Complete collection of films from the NASA video library
Macintosh LC or larger; 4 MB of RAM; 13-inch, 8-bit color or gray-scale monitor; System 6.0.8 or later; CD-ROM drive.
$49.95 retail
Sumeria, Inc.; 329 Bryant St., Ste. 3D; San Francisco, CA 94107; 415-904-0800, 800-478-6374 or 415-904-0888 (fax)

SpaceTime
Commemorates the International Year of Space
Macintosh LC or larger; 4 MB of RAM; hard disk drive; System 6.0.7 or later; CD-ROM drive.
$99.95 U.S. retail
$399 U.S. retail; network version
timebox inc.; PO Box 3060, Station D; Ottawa, Ontario, Canada K1P 6H6; 613-236-8969, 613-236-9232 (fax) or 908-782-5643 in U.S.

Spanish Tutor
Spanish vocabulary, grammar and reading comprehension
Macintosh Plus or larger; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Spatial Reasoning Series
Help students develop dimensional visualization skills; grades 3 to 8
Macintosh LC or larger; 2 MB of RAM; hard disk drive; color or gray-scale monitor; System 6.0.5 or later; HyperCard 2.0.
$55 retail; single copy; Folding Boxes or 3-D Transformations
$249 retail; site license; Folding Boxes or 3-D Transformations
$29 retail; single copy; Additional Shapes
$99 site license retail; Additional Shapes
$119 retail; single copy; entire series
$505 retail; site license; entire series
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

Speaking Dynamically
Transforms the Macintosh into a dynamic communication device
Macintosh with 4 MB of RAM (8 MB for MacinTalk high-quality voices); hard disk drive.
$299 retail
Mayer-Johnson Co.; PO Box 1579; Solana Beach, CA 92075; 619-550-0084 or 619-550-0449 (fax)

Special Writer Coach
Writing program for students in all grades with weak writing skills
Macintosh Plus or larger; 1 MB of RAM.
$69.95 retail
Tom Snyder Productions, Inc.; 80 Coolidge Hill Rd.; Watertown, MA 02172; 617-926-6000, 800-342-0236 or 617-926-6222 (fax)

Speech Works: The Accent Reduction Tool
Helps non-native speakers of English reduce their accents
Macintosh with 4 MB of RAM (8 MB recommended); HyperCard 2.1 or HyperCard Player 2.1; internal or external microphone or MacRecorder; System 6.0.7 or later.
$495 retail; professional version
$249 retail; personal version
Trinity Software; PO Box 960; Campton Common #3; Campton, NH 03223; 603-726-4641, 800-352-1282 or 603-726-3781 (fax)

Speed Spanish
Language instruction
Macintosh Plus or larger; HyperCard 1.2 or later.
$20 retail
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

Spell It Plus
Spelling for ages 6 to adult
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later.
$49.95 retail
Davidson & Associates, Inc.; 19840 Pioneer Ave.; Torrance, CA 90503; 310-793-0600, 800-545-7677 or 310-793-0601 (fax)

Speller II
Reading and language skills
Macintosh Plus or larger; HyperCard 1.2.
$39.95 retail
Chariot Software Group; 3659 India St., Ste. 100; San Diego, CA 92103; 619-298-0202, 800-242-7468 or 619-491-0021 (fax)

Spelunx And The Caves Of Mr. Seudo
Exploration game; ages 5 and up
Macintosh Plus or larger; 2 MB of RAM (4 MB for color or System 7); hard disk drive; System 6.0.7 or later.
$37.50 approximate retail
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

Sports Reporter
Writing program
Macintosh Plus or larger; 1 MB of RAM (2 MB for color).
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

StarFinder
HyperCard window on the stars
Macintosh Plus or larger; hard disk drive; HyperCard 1.2.2 or later.
$79 retail
Brains Software; 9445 Bent Rd. NE; Albuquerque, NM 87109; 505-828-9055

State-Smart HyperCard Stack V3.0
Graphic U.S. geography database
Macintosh Plus or larger; 1 MB of RAM; two 800K disk drives; hard disk drive recommended; HyperCard 2.0; System 6.0.5.
$49.95 retail
$149.95 retail; Lab Pack
Plaxypus Software; PO Box 1591; Corvallis, OR 97339; 800-346-8355 or 805-968-8889 (fax)

States: Geography Study Unit
Geography
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
$59.95 retail; School version
$99.95 retail; Lab pack (five)
$149.95 retail; Lab pack (10)
$299.95 retail; Network version (one server, up to 30 stations)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

Statistics Workshop
Explore data sets; grades 6 to college
Macintosh Plus or larger; 1 MB of RAM.
$129 retail
$775 retail; network version (site license available)
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Stephen Jay Gould: On Evolution and Natural History
Evolution and Natural History
Macintosh with 68030/25 MHz processor or larger; 5 MB of RAM; 13-inch color monitor; System 7; CD-ROM drive (double speed recommended).
$49.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

Stickybear's Early Learning Activities
Colorful, entertaining and effective skill-building fun for preschoolers; ages 2 to 6
Macintosh with 2 MB of RAM (4 MB with System 7); 4.5 MB of free hard disk space; 256 color mode; System 6.0.7 or later.
$59.95 retail
$79.95 retail; school
$149.95 retail; lab pack (six)
$699.95 retail; site license
Optimum Resource, Inc.; 5 Hiltech Lane; Hilton Head Island, SC 29926; 800-327-1473 or 809-689-8008 (fax)

Stickybear's Math Town
Encourage math excellence; ages 5 to 10
Macintosh with 4MB of RAM; 4.5 MB of free disk space; 256 color mode; System 7 or later.
$59.95 retail
$79.95 retail; school

$149.95 retail; lab pack (six)
$699.95 retail; site license
Optimum Resource, Inc.; 5 Hiltech Lane; Hilton Head Island, SC 29926; 800-327-1473 or 809-689-8008 (fax)

Stickybear's Reading Room
Reading activities; ages 4 to 8
Macintosh with 2 MB of Ram (4 MB with System 7); 4.5 MB of free hard disk space; 256 color mode (will run on black and white); System 6.0.7 or later.
$59.95 retail
$79.95 retail; school
$149.95 retail lab pack (six)
$699.95 retail; site license
Optimum Resource, Inc.; 5 Hiltech Lane; Hilton Head Island, SC 29926; 800-327-1473 or 809-689-8008 (fax)

StoCARics
Builds strong vocabulary
Macintosh Plus or larger; 1 MB of RAM; HyperCard 2.1; System 6.0 or later.
$29.95 each retail
$99.95 retail; Series One, Vol. One to Five
Sterling Swift Software; 1104 Kinney Ave.; Austin, TX 78704; 512-441-8430

Story-Mation II
Allows users to create their own animated stories
Macintosh Plus or larger; 2 MB of RAM (4 MB for color); System 6.0.7 or later.
$65.95 retail
ISM, Inc.; 2103 Harmony Woods Rd.; Owings Mills, MD 21117; 410-560-0973 or 410-560-1306 (fax)

Storybook Theatre
Story-making environment; grades 1 to 4
Macintosh LC or larger; 2 MB of RAM (4 MB with System 7); color monitor; high-density disk drive.
$129 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

Storybook Weaver
Create your own storybooks with words, pictures and sounds; ages 5 to 10
Macintosh Plus or larger; 1 MB of RAM (2 MB for color); hard disk drive; System 6.0.5 or later (System 6.0.7 or later for recording sound).
$49.95 retail
MECC; 6160 Summit Dr. N; Minneapolis, MN 55430; 612-569-1500, ext. 529, 800-685-6322, ext. 529 or 612-569-1551 (fax)

StoryLine Pro
Shows how to structure and texture a professional script
Macintosh Plus or larger; 4 MB with System 7; 6 MB of free hard disk space.
$295 retail
Truby's Writers Studio; 1737 Midvale Ave.; Los Angeles, CA 90024; 310-575-3050, 800-338-7829 or 310-478-6821 (fax)

Storytime Tales
Entertaining and interactive tales
Macintosh LC or larger; 4 MB of RAM (2.5 MB for application) ; 256-color monitor; System 7 recommended; 10 MB free hard disk space; hard disk drive.
$95 retail
Don Johnston, Inc.; 1000 N. Rand Rd., Bldg. 115; PO Box 639; Wauconda, IL 60084; 708-526-2682, 800-999-4660 or 708-526-4177 (fax)

The String Quartet
Audio notes
Macintosh Plus or larger; 1 MB of RAM; hard disk drive with 6.5 MB of free space; CD-ROM drive; System 6.0.2 or later.
$66 retail
Time Warner Interactive; 2210 W. Olive Ave.; Burbank, CA 91506; 818-955-9999, 800-482-3766 or 818-955-6499 (fax)

Studymate
Study tool
Macintosh Plus or larger; 1 MB of RAM.
$59.95 retail
$129.95 retail; lab pack
$499.95 retail; network edition
$599.95 retail; site license
Compu-Teach, Inc.; 16541 Redmond Way, Ste. 137-C; Redmond, WA 98052; 800-448-3224 or 206-883-9169 (fax)

Success With Writing
Writing program; grades 7 through 12
Macintosh Plus or larger; 1 MB of RAM.
$99.95 retail
Scholastic Software; 555 Broadway; New York, NY 10012; 800-541-5513 or 314-635-5881 (fax)

SuccessMaker
Multimedia learning system
Macintosh Quadra (server); Macintosh LC475, 575 or 550 (stations)
Call for pricing
Computer Curriculum Corp.; 1287 Lawrence Station Rd.; Sunnyvale, CA 94089; 800-858-3672 or 408-980-0609 (fax)

Summertime On Cherry Street
Builds comprehension skills
Macintosh LC, Performa 400 or larger; 4 MB of RAM; System 7.0 or later.
$79.95 retail
Hartley Courseware; 3451 Dunckel Rd., Ste. 200; Lansing, MI 48911; 517-394-8500, 800-247-1380 or 517-394-9899 (fax)

Super Ear Challenger
Aural-visual game
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later; MIDI optional.
$59.95 retail
$300 retail; network license
$420 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Super Munchers
Trivia contest
Macintosh Plus or larger; 1 MB of RAM.
$49.95 retail
MECC; 6160 Summit Dr. N; Minneapolis, MN 55430; 612-569-1500, ext. 529, 800-685-6322, ext. 529 or 612-569-1551 (fax)

Super Solvers Midnight Rescue!
Arcade-action game that builds deductive thinking and reading comprehension skills; ages 7 to 10
Macintosh Plus or larger; System 6.0.2 or later.
$59.95 retail
The Learning Co.; 6493 Kaiser Dr.; Fremont, CA 94555; 510-792-2101, 800-852-2255 or 510-792-9628 (fax)

Super Solvers OutNumbered!
Arcade-action math and problem-solving game; ages 7 to 10
Macintosh Plus or larger.
$59.95 retail
The Learning Co.; 6493 Kaiser Dr.; Fremont, CA 94555; 510-792-2101, 800-852-2255 or 510-792-9628 (fax)

Super Solvers Spellbound!
The animated Spelling Bee that builds word power and spelling skills; ages 7 to 12
Macintosh Plus or larger; hard disk drive; System 6.0.5 or later.
$59.95 retail
The Learning Co.; 6493 Kaiser Dr.; Fremont, CA 94555; 510-792-2101, 800-852-2255 or 510-792-9628 (fax)

SuperStar Science CD
Explore the fundamentals of physical science
Macintosh LC or larger; 2 MB of RAM (4 MB with System 7); CD-ROM drive.
$59 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

Surgeon 3, The Brain
Simulated surgical operation
Macintosh Plus or larger; 2 MB of RAM (4 MB for color); System 6.0.7 or later.
$49.95 retail; black and white
$59.95 retail; color
ISM, Inc.; 2103 Harmony Woods Rd.; Owings Mills, MD 21117; 410-560-0973 or 410-560-1306 (fax)

Svinga
A multimedia journey through Zimbabwe
Macintosh LC or larger; 4 MB of RAM; System 6.0.8 or later; QuickTime (included); HyperCard 2.1 (included); CD-ROM drive.
$149 U.S. retail
Advanced Multimedia Co.; 5 Avenue C; Peekshill, NY 10566; 914-734-9171 or 914-734-4053 (fax)

Swiss Family Robinson-CD
Talking storybook
Macintosh LC or larger; 2 MB of RAM; CD-ROM drive.
$39.95 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

■ **Symbols And Graphs: Function Supposer**
Learn the nature of equations, inequalities and identities; grades 9 to college
Macintosh Plus or larger; 1 MB of RAM.
Symbols and Graphs: Function Supposer provides students with tools to graphically explore functions and compare them. Students can plot functions, build tables of values and find roots. Terms such as factor, expand and simplify are explained symbolically and graphically. Students will learn the nature of equations, inequalitites and identities.
$129 retail; site license available
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

■ **Synapse — The Movie**
Graphic animations of synaptic function
Macintosh with 2.5+ MB of RAM; hard disk drive; floppy disk drive; System 6.0.5 or later.
Synapse — The Movie uses SuperCard to play PICS animations created with Macromedia Director. Synapse vividly illustrates current models of synaptic structure and function. Users can observe activity in the chemical synapse at both the cellular and molecular level. Animations are activated either by using pull-down menus to view "cartoons" of synaptic activation, exocytosis and receptor action or by clicking the magnifying glass cursor to see details of CA++-calmodulin-activated phosphorylation, postsynaptic receptors, neurotransmitter transporters and retrograde messages among others. Details of acetylcholine, dopamine and serotonin receptor functions are shown. Additional details include second messenger systems, G-protein function and subsequent intracellular events.
$40 retail
$80 retail; site license
Slice of Life; Eccles Health Sciences Library; University of Utah, Bldg. 589; Salt Lake City, UT 84112; 801-585-2737 or 801-585-2623 (fax)

System 7 — The Movie
Orients beginners and advanced Macintosh users to the new features in System 7
Macintosh II or larger; 8 MB of RAM; CD-ROM drive.
$150 retail
The Whitley Group, Inc.; 8701 Mallard Creek Rd.; Charlotte, NC 28262; 704-547-0505 or 704-548-9050 (fax)

Tables Master
Teaches, consolidates and tests the times tables
Macintosh Plus or larger.
$25 retail
$100 retail; site license
The Flexible Learning Co.; 15 Longpoles Rd.; Cranleigh, Surrey, England GU6 7JZ; (0) 483-277020

The Taj Mahal: A Royal Geographical Society Electronic Guide
Explore this everlasting monument of beauty
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 12- or 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

The Tale Of Benjamin Bunny
Interactive story; ages 5 and up; English/Spanish
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive; System 6.0.4 or later.
$29.95 retail
$35.95 retail; Classroom Edition
$155 retail; Lab Pack (5 discs)
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

The Tale Of Peter Rabbit
Interactive story; ages 4 and up; English/Spanish
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive; System 6.0.4 or later.
$29.95 retail
$35.95 retail; Classroom Edition
$155 retail; Lab Pack (5 discs)
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

■ **Tales From Long Ago And Far Away**
Learn fables, myths and legends
Macintosh LC or larger; 2 MB of RAM; System 6.0.7 or later; color monitor; CD-ROM drive.
Tales from Long Ago and Far Away version I and II are an incredible collection of fables, myths and legends, including stories from Africa, China, American Indians, India, England, Russia, France, Turkey, Japan, Saudi Arabia, Lebanon, Brazil, Portugal, Mexico and Ireland. Each story features dynamic color graphics and exciting narration. The CD-ROMs also include a Storybook Publisher program that allows children to write, illustrate and print out their own fables, myths and legends.
$49.95 each retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Tales Of The Wild Zeep
Original short stories for beginning readers; ages 4 to 9
Macintosh LC or larger; 2 MB of free RAM; 256-color display; System 7.0 or later; CD-ROM drive.
$59.95 retail
Westwind Media; RR #5, Box 5833; Lake Ariel, PA 18436; 717-937-3000, 800-937-8555 or 717-937-3200 (fax)

Talking Academic Quiz Kid
Users test their knowledge in a variety of subjects
Macintosh LC or larger; 2 MB of RAM; hard disk drive.
$59 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

Talking Classic Tales CD
Five fairy tales that are fully narrated and include full-color illustrations; grades pre-K to 6
Macintosh LC or larger; CD-ROM drive.
$59 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

Talking Computer Book Series
Books and software
Macintosh Plus or larger; 2 MB of RAM (4 MB for color).
$39.95 each retail; black and white
$49.95 each retail; color
ISM, Inc.; 2103 Harmony Woods Rd.; Owings Mills, MD 21117; 410-560-0973 or 410-560-1306 (fax)

Talking First Mac Dinosaur Reader
Teaches dinosaur facts and presents three original stories
Macintosh LC or larger; 2 MB of RAM; hard disk drive.
$59 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

Talking First Mac Reader
Beginning reading program; ages 4 to 7
Macintosh LC or larger; 2 MB of RAM; hard disk drive.
$59 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

Talking Jungle Safari CD
Exposes users of all ages to the wide variety of plants and animals found in four different African habitats
Macintosh LC or larger; CD-ROM drive.
$59 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

Talking Mac Classroom
Multisensory learning activities; ages 4 to 7
Macintosh LC or larger; 2 MB of RAM; hard disk drive.
$59 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

Talking Torah Flashcards
Siddur and Bible-based vocabulary words with fully integrated high-quality digitized audio recordings
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; HyperCard 2; System 6.0.5 or later.
$49.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

Talking USA Map
Introduction to the many parts of our country
Macintosh LC or larger; 2 MB of RAM.
$59 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

Talking Using Money And Making Change
Teaches a variety of vital basic mathematic and counting skills
Macintosh LC or larger; 2 MB of RAM.
$59 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

Talking Vocabulary Builders
Homonyms, synonyms, antonyms, vocabulary building and more; grades 3 to 8
Macintosh LC or larger; 2 MB of RAM.
$59 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

TalkingKeys Pro V1.6
Speaks every key on the keyboard
Macintosh Plus or larger; System 7.0.
$79 retail
Graham Software Co.; 8609 Ingalls Cir.; Arvada, CO 80003; 303-422-0757

Talmud Tutor
Introduces users to the world of Talmud
Macintosh Plus or larger; HyperCard.
$49.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

Tangramania
Math; preschool to grade 6
Macintosh Plus or larger (68020 or faster processor and color recommended); 1.5 MB of RAM; hard disk drive; HyperCard 2.0 or later; System 6.0.5 or later.
$39.95 retail
Platypus Software; PO Box 1591; Corvallis, OR 97339; 503-758-3429 or 503-754-3114 (fax)

Tap-It
Rhythm skills program
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$59.95 retail
$300 retail; network license
$420 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

The Tell-Tale Heart
Interactive account of Edgar Allan Poe's classic; for teen and adult readers
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive; System 6.0.4 or later.
$59.95 retail
$69.95 retail; Classroom Edition
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

TeMath 1.0
Tools for exploring mathematics
Macintosh Plus or larger; 1 MB of RAM (2 MB with MultiFinder); 800K disk drive and hard disk drive, or two 800K disk drives; System 6.0 or later.
$75.75 retail; site licenses and academic discounts available
$25 retail; upgrade kit
Brooks/Cole Publishing Co.; 511 Forest Lodge Rd.; Pacific Grove, CA 93950; 408-373-0728, 800-354-9706 or 408-375-6414 (fax)

Terrorist Group Profiles
Takes users inside some of today's most dangerous organizations
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive.
$79.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A; Minneapolis, MN 55414; 612-379-3956 or 612-623-4570 (fax)

TesselMania!
Mathematics, art; grades 3 to 12
Macintosh LC or larger; 2 MB of RAM (4 MB for color); 32-bit Quickdraw; System 6.0.7 or later.
$69 retail
MECC; 6160 Summit Dr. N; Minneapolis, MN 55430; 612-569-1500, ext. 529, 800-685-6322, ext. 529 or 612-569-1551 (fax)

The Textdisc
Workplace literacy program for the textile industry
Macintosh LC or larger; 2 MB of RAM; hard disk drive; headphones suggested; CD-ROM drive.
$2,000 retail
Interactive Knowledge, Inc.; 1100 S. Mint St., Ste. 209; Charlotte, NC 28203; 704-344-0055, 800-344-1502 or 704-344-1505 (fax)

Think For Yourself CD-ROM
Critical thinking on the pivotal issues of our time
Macintosh Plus or larger; 2 MB of RAM; HyperCard 2.1 or HyperCard Player; System 6.0.5 or later; CD-ROM drive.
$249 retail
PEMD Education Group; PO Box 39; Cloverdale, CA 95425; 707-894-3668 or 707-894-5200 (fax)

Thinning Of The Ozone Layer
Presents material on this environmental issue; grades 6 to 12
Macintosh Plus or larger; 1 MB of RAM; HyperCard 2.0 or later.
$80 retail
Full Circle Media; 25 Valley View Ave.; San Rafael, CA 94901; 415-453-9989

These Products Available Through Bottom Line Distribution
1-800-347-1923

Thomas' Snowsuit
Interactive story; ages 5 and up; English/Spanish
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive; System 6.0.4 or later.
$29.95 retail
$35.95 retail; Classroom Edition
$155 retail; Lab Pack (5 discs)
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

Three Faces Of Evil: Frankenstein, Dracula & Mr. Hyde CD
Classic tales
Macintosh LC or larger; 2 MB of RAM; color monitor; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

■ **Tidepool To Tundra**
Tour ecological zones of the world; ages 8 to 12
Macintosh Plus or larger; 4 MB of RAM; 8-bit color monitor; CD-ROM drive.

Tidepool to Tundra is designed for children ages 8 to 12 as a guided tour through 12 ecological zones of the world. Each biome is linked by the world map, allowing students to easily find any region. The narrated information is printable, and the images of individual animals and plants are stored separately as clip art, making the program an excellent reference tool. All educational content was designed by a third grade teacher and tested in classroom groups, guaranteeing developmental appropriateness.
$50 retail
Scientia Inc.; 657A Somerville Ave.; Somerville, MA 02143; 617-776-3427 (phone/fax) or 800-453-4725

Timber Baron
Simulating early lumber barons' activity
Macintosh Plus or larger; System 7.0 or later.
$34 retail
J.P. Consulting, Inc.; PO Box 3053; Duluth, MN 55803; 218-724-8920

Time Table Of History: Science & Innovation
Multimedia chronology of world events and scientific discovery
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive; HyperCard 2.0.
$59.95 retail
Xiphias; 8758 Venice Blvd.; Los Angeles, CA 90034; 310-841-2790, 800-421-9194 or 310-841-2559 (fax)

Time Traveler CD
Interactive exploration encompassing all human history from 4000 BC to the present
Macintosh LC or larger; 2 MB of RAM; CD-ROM drive.
$59 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

Time Treks
A world history adventure game for ages 9 to adult
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.
$49.95 retail
Magic Quest, Inc.; 125 University Ave.; Palo Alto, CA 94301; 415-321-5838 or 415-321-8560 (fax)

Timeliner 4.0
Create, illustrate and print time lines with ease; all grades
Macintosh Plus or larger; 1 MB of RAM.
$69.95 retail
Tom Snyder Productions, Inc.; 80 Coolidge Hill Rd.; Watertown, MA 02172; 617-926-6000, 800-342-0236 or 617-926-6222 (fax)

Tools For Writers
11 lessons in grammar, style and organization; grades 8 to college level
Macintosh Plus or larger; hard disk drive; System 4.1 or later.
$55 retail; single copy
$249 retail; site license
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

The Tortoise And The Hare
Aesop's fable is reborn as a multimedia children's storybook; ages 6 to 10
Macintosh LC or larger; CD-ROM drive.
$39.95 approximate retail
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

Total Baseball
The complete history of baseball
Macintosh Plus or larger; 2 MB of RAM; color display requires 8-bit color, 32-bit QuickDraw and color monitor; System 6.0.5 or later; CD-ROM drive.
$69.99 retail
Creative Multimedia; 513 NW 13th Ave., Ste. 400; Portland, OR 97209; 503-241-4351, 800-854-9126 or 503-241-4370 (fax)

■ **Total History**
History reference
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive.

Total History contains everything users need for the home history reference library in one CD-ROM threesome. It combines three of the Bureau's history titles: History of the World, a complete and authoritative collection of works from the Dawn of Civilization to the present; Countries of the World, an extremely detailed multimedia presentation on more than 190 countries and territories; and U.S. History, a social, economic, political, military and scientific view of U.S. history. Ideal for students of all ages, Total History offers 2 GB of text, sound and graphics.
$99.95 retail
Bureau of Electronic Publishing, Inc.; 141 New Rd.; Parsippany, NJ 07054; 201-808-2700, 800-828-4766 or 201-808-2676 (fax)

Toucan Press
Desktop publishing
Macintosh Plus or larger; 1 MB of RAM (2 MB for color).
$89.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

The Trans-Siberian Railway: A Royal Geographical Society Electronic Guide
Take a journey on the longest railway in the world
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 12- or 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

Transparent Language
Language acquisition and reading comprehension via authentic reading materials; languages include French, German, Latin and Spanish
Macintosh 512K or larger.
$139 retail
Gessler Educational Software; 55 W. 13th St.; New York, NY 10011; 212-627-0099 or 212-627-5948 (fax)

Transparent Language Version 2.0
Language learning program
Macintosh Plus or larger; System 6.0.3 or later.
$99 retail
Transparent Language Inc.; 22 Proctor Hill Rd.; PO Box 575; Hollis, NH 03049; 603-465-2230, 800-752-1767 or 603-465-2779 (fax)

The Treehouse
Exploratory learning for children ages 5 to 8
Macintosh SE/30 or larger; 2 MB of RAM (4 MB with System 7) for monochrome; 4 MB of RAM (5 MB with System 7) for color.
$44.95 approximate retail
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

Tune-It II
Pitch-matching
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$59.95 retail
$300 retail; network license
$420 retail; site license
Electronic Courseware Systems, Inc.; 1210 Lancaster Dr.; Champaign, IL 61821; 217-359-7099, 800-832-4965 or 217-359-6578 (fax)

Turbo Math Facts
Teaches four basic math skills; ages 5 to 12
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later.
$49.95 retail
Nordic Software, Inc.; PO Box 6007; Lincoln, NE 68506; 402-488-5086 or 402-488-2914 (fax)

Turing's World
Graphical environment for designing and running Turing machines
Macintosh Plus or larger.
$19.95 retail
Chariot Software Group; 3659 India St., Ste. 100; San Diego, CA 92103; 619-298-0202, 800-242-7468 or 619-491-0021 (fax)

Twelve Roads To Gettysburg
Multimedia CD-ROM that depicts the turning point in the Civil War
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$69.99 retail
Ebook, Inc.; 32970 Alvarado-Niles Rd., Ste. 704; Union City, CA 94587; 510-429-1331 or 510-429-1394 (fax)

Type To Learn
A new approach to keyboarding; grades 2 to adult
Macintosh Plus or larger; 1 MB of RAM (2 MB for color).
$129 retail
$775 retail; network version (site license available)
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

U.S. Civics
Guide to U.S. history from the 1700s to present
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive.
$49.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A; Minneapolis, MN 55414; 612-379-3956 or 612-623-4570 (fax)

U.S. History On CD-ROM
Provides a wealth of information about the United States
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive.
$395 retail
Bureau of Electronic Publishing, Inc.; 141 New Rd.; Parsippany, NJ 07054; 201-808-2700, 800-828-4766 or 201-808-2676 (fax)

U.S. Presidents
Biographies and statistics of the 41 Presidents of the United States
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive.
$69.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A; Minneapolis, MN 55414; 612-379-3956 or 612-623-4570 (fax)

Uncle Buddy's Phantom Funhouse
Hypertext fiction
Macintosh Plus or larger; hard disk drive; HyperCard 2.x.
$39.95 retail
Eastgate Systems, Inc.; PO Box 1307; Cambridge, MA 02238; 617-924-9044, 800-562-1638 or 617-923-4575 (fax)

Understanding Algebra 1.0
Interactive mathematics program for grades 8 to 10, advanced to "at risk" students
Macintosh LC or larger; 2 MB of RAM; hard disk drive recommended; 12-inch color monitor recommended; System 6.0.7 or later.
$69.95 retail; single user
$169.95 retail; lab pack (5)
$235.95 retail; lab pack (10)
$399.95 retail; site license (1-35)
$4.95 retail; demo disk
Neufeld & Associates; 7 Conifer Crescent; London, Ontario, Canada N6K 2V3; 519-657-9334 or 519-645-0372 (fax)

Understanding Equations 1.0
Interactive mathematics program for grades 8 to 10, advanced to "at risk" students
Macintosh LC or larger; 2 MB of RAM; hard disk drive recommended; color monitor; System 6.0.7 or later.
$69.95 retail; single user
$169.95 retail; lab pack (5)
$235.95 retail; lab pack (10)
$399.95 retail; site license (1-35)
$4.95 retail; demo disk
Neufeld & Associates; 7 Conifer Crescent; London, Ontario, Canada N6K 2V3; 519-657-9334 or 519-645-0372 (fax)

Understanding Exponents 2.0
Interactive mathematics program for grades 7 to 10, advanced to "at risk" students
Macintosh Plus or larger; 1 MB of RAM (2 MB with color); hard disk drive recommended; color monitor recommended; System 6.0.7 or later.
$69.95 retail; single user
$169.95 retail; lab pack (5)
$235.95 retail; lab pack (10)
$399.95 retail; site license (1-35)
$4.95 retail; demo disk
Neufeld & Associates; 7 Conifer Crescent; London, Ontario, Canada N6K 2V3; 519-657-9334 or 519-645-0372 (fax)

Understanding Fractions 3.0
Interactive mathematics program for grades 5 to 9, advanced to "at risk" students
Macintosh Plus or larger; 1 MB of RAM (2 MB with color); hard disk drive recommended; color monitor recommended; System 6.0.7 or later.
$69.95 retail; single user
$169.95 retail; lab pack (5)
$235.95 retail; lab pack (10)
$399.95 retail; site license (1-35)
$4.95 retail; demo disk
Neufeld & Associates; 7 Conifer Crescent; London, Ontario, Canada N6K 2V3; 519-657-9334 or 519-645-0372 (fax)

Understanding Integers 2.0
Interactive mathematics program for grades 7 to 10, advanced to "at risk" students
Macintosh Plus or larger; 1 MB of RAM (2 MB with color); hard disk drive recommended; color monitor recommended; System 6.0.7 or later.
$69.95 retail; single user
$169.95 retail; lab pack (5)
$235.95 retail; lab pack (10)
$399.95 retail; site license (1-35)
$4.95 retail; demo disk
Neufeld & Associates; 7 Conifer Crescent; London, Ontario, Canada N6K 2V3; 519-657-9334 or 519-645-0372 (fax)

Up & Away: History Of Aviation
Learn about different aircraft and meet some of the pioneer aviators
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$54.95 retail
MultiEducator Inc.; 244 North Ave.; New Rochelle, NY 10801; 914-254-4346, 800-866-6434 or 914-235-5131 (fax)

The Urinary Sediment VideoIndex
Reference and training tool for technicians and pathologists
Macintosh Plus or larger with a SuperDrive; 2 MB of free RAM; hard disk drive; System 6.0.7 or later; HyperCard 2.1; videodisc player with RS-232 connector; video monitor.
$300 retail; Urinary Sediment VideoIndex
$600 retail; five-station site license
$400 retail; Urinary Sediment Videodisc
Keyboard Publishing, Inc.; 482 Norristown Rd., Ste. 111; Blue Bell, PA 19422; 610-832-0945, 800-945-4551 or 610-832-0948 (fax)

USA GeoGraph II And World GeoGraph II
Discovery-learning programs; grade 5 to adult
Macintosh Plus or larger; 1 MB of RAM (2 MB for use with a color monitor); hard disk drive; System 6.0.5 or later.
$69 each retail
MECC; 6160 Summit Dr. N; Minneapolis, MN 55430; 612-569-1500, ext. 529, 800-685-6322, ext. 529 or 612-569-1551 (fax)

USA State Factbook
Electronic almanac of the 50 United States and its territories
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive.
$49.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A; Minneapolis, MN 55414; 612-379-3956 or 612-623-4570 (fax)

USA Wars: Civil War
Text/image/sound database that encompasses the war of the rebellion that tore the United States apart from 1860 to 1865
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive.
$69.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A; Minneapolis, MN 55414; 612-379-3956 or 612-623-4570 (fax)

USA Wars: Desert Storm
Desert Storm comes to life through text, images and sound
Macintosh Plus or larger; 1 MB of RAM; Foreign Files access software; CD-ROM drive.
$69.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A; Minneapolis, MN 55414; 612-379-3956 or 612-623-4570 (fax)

USA Wars: Korea
Multimedia database covering U.S. involvement in the Korean conflict of the 1950's
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive.
$69.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A; Minneapolis, MN 55414; 612-379-3956 or 612-623-4570 (fax)

USA Wars: Vietnam
Multimedia database covering U.S. involvement in South East Asia from 1946 to 1976
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive.
$69.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A; Minneapolis, MN 55414; 612-379-3956 or 612-623-4570 (fax)

USA Wars: World War II
Picture history of World War II
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive.
$69.95 retail
Quanta Press, Inc.; 1313 Fifth St. SE, Ste. 223A; Minneapolis, MN 55414; 612-379-3956 or 612-623-4570 (fax)

The Velveteen Rabbit
Interactive audio CD; ages 5 to 9
Macintosh Plus or larger; 1 MB of RAM (2 MB recommended); black and white or color monitor; HyperCard 2.0 or later; CD-ROM drive.
$49.95 retail
Queue, Inc.; 338 Commerce Dr.; Fairfield, CT 06430; 203-335-0906, 800-232-2224 or 203-336-2481 (fax)

Venice: A Royal Geographical Society Electronic Guide
Tour Italy's fabulous maritime city
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 12- or 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

Venture Magazine's Business Simulator
Business simulation for building better business skills
Macintosh 512KE or larger; two disk drives; or one 800K disk drive and hard disk drive.
$99.95 retail
Strategic Management Group, Inc.; Learning Technologies Division; 3624 Market St.; Philadelphia, PA 19104; 215-387-4000, 800-445-7089 or 215-387-3653 (fax)

The View From Earth
Science disc
Macintosh II or larger (LC with 13-inch monitor); 1 MB of RAM; CD-ROM drive; System 6.0.5 or later.
$79.98 retail
Time Warner Interactive; 2210 W. Olive Ave.; Burbank, CA 91506; 818-955-9999, 800-482-3766 or 818-955-6499 (fax)

Virtual Landscape
Explores natural environments and landscapes
Macintosh LC or larger; 4 MB of RAM; System 7.0 or later; CD-ROM drive.
$49 retail
Rocky Mountain Digital Peeks; PO Box 1576; Nederland, CO 80466; 303-258-3779 (phone/fax) or 800-266-7637

■ **VisiFrog**
Introduces the frog's anatomical structures and biological functions
Macintosh LC or larger; 2 MB of RAM; System 6.07 or later.
VisiFrog introduces the frog's anatomical structures and biological functions. Computer graphics are used to represent the skeletal system, nervous system, cardiovascular system, reproductive system and the musculature. Textual information is linked to parts of the graphic. The activities include playing an identification game, using the database to find information and answering a multiple choice quiz. It includes a teacher's guide and reproducible student worksheets.
$59.95 retail; School version
$99.95 retail; Lab pack (five)
$149.95 retail; Lab pack (10)
$$299.95 retail; Network version (one server, up to 30 stations)
Ventura Educational Systems; 910 Ramona Ave., Ste. E; Grover Beach, CA 93433; 805-473-7383, 800-336-1022 or 805-473-7382 (fax)

■ **Visual Games For Words & Sounds: Hyperpoems**
Word and sound games
Macintosh Plus or larger; HyperCard 1.2.5 or later.
Hyperpoems are collaged poems that are both literature and visual art. To enjoy these poems, users may play an active role, close to that of the author. The viewing, reading and listening of this collection is enhanced by the curiosity and mood of the reader.
$6.95 retail
Servando Gonzalez; 1906 Roys Ln.; Mobile, AL 36605; 205-473-6647

VocabuLearn/ce Levels I, II And III
Vocabulary building
Macintosh Plus or larger; hard disk drive; System 6.5 or later.
$59.95 retail
$49.95 retail; CD-ROM version
Penton Overseas, Inc.; 2470 Impala Dr.; Carlsbad, CA 92008; 619-431-0060, 800-748-5804 or 619-431-8110 (fax)

Voices Of The 30s
Brings the accounts of the historical events and social issues of this time to life; grades 8 to adult
Macintosh LC or larger; 4 MB of RAM; color monitor; CD-ROM drive.

$129 retail
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

VroomBooks Four Footed Friends
Interactive children's book; ages 3 to 8
Macintosh LC or larger; 4 MB of RAM; color monitor; System 6.0.7 or later; CD-ROM drive.
$49.95 retail
T/Maker Co.; 1390 Villa St.; Mountain View, CA 94041; 415-962-0195 or 415-962-0201 (fax)

■ **VroomBooks Stradiwackius**
Learn about the world of music
Macintosh LC, II, Performa or Color Classic; 4 MB of RAM; System 6.0.7 or later; 256-color monitor; CD-ROM drive.

Stradiwackius is a zany collection of 10 animated 3-D musical instruments, including glowing xylophones, nutty bongos, honking rubas and chilly saxaphones — whose antics and activities introduce children to the wonderful world of music, while at the same time exercising their numerical and auditory skills. There are more than 40 pages of games, songs and activities, providing hours of fun and learning with the highest-quality animation, sound effects, original music and an ample helping of humor. Children are able to create and play their own tune on any of the instruments.
$49.95 retail
T/Maker Co.; 1390 Villa St.; Mountain View, CA 94041; 415-962-0195 or 415-962-0201 (fax)

Wagon Train 1848
Adventure in cooperative learning
Macintosh Plus or larger; AppleTalk network.
$399 retail
MECC; 6160 Summit Dr. N; Minneapolis, MN 55430; 612-569-1500, ext. 529, 800-685-6322, ext. 529 or 612-569-1551 (fax)

■ **Wallobee Jack Series**
Interactive, animated cartoons; ages 4 to 12
Macintosh LC or larger; CD-ROM drive.

Wallobee Jack and the Bingi Burra Stone and the Thai Sun Adventure consist of several interactive, animated cartoons on CD-ROM designed to entertain children ages 4 to 12. More than 10,000 hand-drawn cels were used to help animate the cartoons. The program includes fully-orchestrated music performed by the Quebec Symphony Orchestra. The Bingi Burra Stone takes place in Australia and centers around the actual legend of the Bingi Burra Stone. The program takes children on several adventures in search of the stone, including visiting Kangaroo Island, Ayer's Rock and Sydney Harbor. Similarly, the Thai Sun Adventure takes place in Thailand in search of a golden elephant.
$29.95 each retail
WordPerfect, The Novell Applications Group; 1555 N. Technology Way; Orem, UT 84057; 801-225-5000, 800-451-5151 or 801-228-5377 (fax)

■ **Warplanes — Modern Fighting Aircraft**
Encyclopedia of military aircraft; ages 8 and up
Macintosh LC II or larger, including Power Macintosh; 4 MB of RAM (8 MB with Power Macintosh); 256-color monitor; System 7.0 or later; CD-ROM drive.

Modern Fighting Aircraft is a multimedia encyclopedia of modern military aircraft and aviation covering the period from 1976 to the present day. Further volumes in the planned six-disc series will be available. Features include: super-realistic 3-D rendered models of aircraft; animations showing combat tactics and how weapons systems operate; more than 1 hour of live action video; comprehensive multimedia database of technical and service data on 500+ aircraft; interactive weapons fit diagrams; database of technical and service data on 200+ weapons systems; 1,000+ full-screen photographs; multimedia war reports explaining the role of aircraft in modern warfare; indepth coverage of the Gulf War, the Arab-Israeli conflicts and the Cold War; extensive audio; and flight simulators for A-10 Thunderbolt, C-130 Hercules and a Soviet Su-27.
$69 retail
Maris Multimedia; 3871 Piedmont Ave.; Oakland, CA 94611; 510-652-4746, 800-336-0185 or 510-652-3226

Washington Times & Insight Vol. 4
News sources
Macintosh Plus or larger; CD-ROM drive.
$49 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

The Water And Plant Relationship
Botany, biology and agricultural courseware series
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$250 retail
EduSelf/Tech Pubs Hal, Inc.; 82 Park Ave.; Rutherford, NJ 07070; 201-507-0030 or 201-507-0192 (fax)

Water Management
Botany, biology and agricultural courseware series
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive
$300 retail
EduSelf/Tech Pubs Hal, Inc.; 82 Park Ave.; Rutherford, NJ 07070; 201-507-0030 or 201-507-0192 (fax)

■ **Weathermapper**
Exploring weather and climate
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later; HyperCard 2.0 or later.

Weathermapper will stimulate thinking and build graphing and measurement skills as users explore weather and climate. This flexible, interactive program includes data gathering, reading and writing activities in a dynamic, easy-to-use format that children enjoy. The program provides extensive information about climate, weather systems, charts and weather-related folklore. Weathermapper encourages reading and writing about the weather, including interesting topics on folklore; tracking the weather and adding students' ideas to the growing class database; developing measuring and graphing skills as students track the actual weather; and drawing and printing students' weather maps, charts and graphs from data they have collected and collated. Teachers can easily incorporate these activities into all of their curriculum. With Weathermapper, everyone in class can be a weather wizard.
$69 retail; single copy
$299 retail; site license
Intellimation; PO Box 1922; Santa Barbara, CA 93116; 805-968-2291, 800-346-8355 or 805-968-8899 (fax)

Whale Of A Tale
Children's story on CD-ROM; learn about World War I, important inventions and more
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive.
$89.95 retail; school version
$39.95 retail; home version
Texas Caviar, Inc.; 3933 Steck Ave., Ste. B-115; Austin, TX 78759; 512-346-7887 or 512-346-1393 (fax)

■ **Whales & Dinosaurs**
Teaches children about whales and dinosaurs; ages 6 to 9
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later; CD-ROM drive.

Whales is a beautifully photographed and illustrated book that teaches children how whales breathe under water, how they are born and how they swim. Sound effects show how whales send messages to each other by making squeaks, clicks and whistling noises.

Dinosaurs has beautiful illustrations and sound effects that help answer some of the dozens of questions children have about dinosaurs. They'll learn how fossilized bones, teeth, eggs and footprints can teach users about dinosaurs — how they lived, what they ate and why they are classified as reptiles.

These interactive titles are complete with text, colorful illustrations, dramatic narration, original music and sound effects. Interactive learning software provides pronunciation, syllables, optional Spanish translation and in-context explanations for every word in the text with a click of the mouse. Users see and hear "labels" for parts of pictures by clicking on them.
$36.95 retail; two-disc value bundle
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

Whales & Dolphins — ZooGuides V.2
Explore all 80 known species of whales and dolphins
Macintosh LC or larger; 8-bit color monitor; System 6.0.7 or later; CD-ROM drive.
$59.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Whales And Their Environment
Gathers and displays data about the physical world; grades 4 to 8
Macintosh Plus or larger; 1 MB of RAM.
$495 retail
Sunburst/Wings for Learning; 101 Castleton St.; Pleasantville, NY 10570; 914-747-3310, 800-321-7511 or 914-747-4109 (fax)

■ **What Air Can Do & Butterflies**
Understand the value of air and the metamorphosis of the butterfly; ages 6 to 9
Macintosh Plus or larger; 2 MB of RAM; System 6.0.5 or later; CD-ROM drive.

What Air Can Do helps children understand the value of the substance they breathe. They'll learn how living things obtain air and they'll find out that although air is invisible, air does take up space. Children will be eager to try out some of the experiments: how to pump air into balloons and tires and how to use the power of breath to "move" such objects as dandelion seeds.

In Butterflies, young children will see the metamorphasis from caterpillar to butterfly requires time and patience — but they'll marvel at the results when they see the gorgeous photographs in this book. They'll learn about the butterfly's unique characteristics, including how it finds flowers and extracts nectar from them.

These interactive titles are complete with text, colorful illustrations, dramatic narration, original music and sound effects. Interactive learning software provides pronunciation, syllables, optional Spanish translation and in-context explanations for every word in the text with a click of the mouse. Users see and hear "labels" for parts of pictures by clicking on them.
$36.95 retail; two-disc value bundle
Discis Knowledge Research Inc.; 45 Sheppard Ave. E, Ste. 410; Toronto, Ontario, Canada M2N 5W9; 416-250-6537, 800-567-4321 or 416-250-6540 (fax)

What's The Difference?
Teaches classification; grades 7 to 12
Macintosh Plus or larger; 1 MB of RAM.
$79.95 each retail
Tom Snyder Productions, Inc.; 80 Coolidge Hill Rd.; Watertown, MA 02172; 617-926-6000, 800-342-0236 or 617-926-6222 (fax)

Where In America's Past Is Carmen Sandiego?
History; players encounter the people, places and events that shaped America
Macintosh Plus or larger; 2 MB of RAM (4 MB for color).
$41 approximate retail
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

Where In The World Is Carmen Sandiego? Deluxe
Geography and culture
Macintosh LC or larger; 4 MB of RAM; 256 8-bit color.
$56 approximate retail
$89.95 retail; school edition
Brøderbund Software, Inc.; 500 Redwood Blvd.; PO Box 6121; Novato, CA 94948; 415-382-4400, 800-521-6263 or 415-382-4419 (fax)

The White Horse Child
Multimedia storybook
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$49.95 retail
Ebook, Inc.; 32970 Alvarado-Niles Rd., Ste. 704; Union City, CA 94587; 510-429-1331 or 510-429-1394 (fax)

Who Built America?, By Roy Rosenzweig, Steve Brier, Josh Brown
Examines turn-of-the-century America
Macintosh LC or larger; 4 MB of RAM; 13-inch 256-color monitor; QuickTime-compatible CD-ROM drive; System 6.0.7 or later.
$99.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

Who Was Born On Your Birthday?
Database containing birthdates, nationalities, etc., of famous people
Macintosh Plus or larger; Microsoft Works; ClarisWorks.
$39.95 retail
K-12 MicroMedia Publishing, Inc.; 6 Arrow Rd.; Ramsey, NJ 07446; 201-825-8888, 800-292-1997 or 201-825-0582 (fax)

Who We Are 2.0
Black World History program
Macintosh Plus or larger; 2 MB of RAM; hard disk drive with 17 MB of free space; HyperCard 2.0 or later; 32-bit QuickDraw; color monitor for color; System 6.0.5 or later.
$112 retail; black and white
$124 retail; color
$144 retail; CD
AfroLink Software; 1815 Wellington Rd.; Los Angeles, CA 90019; 213-731-5465 or 213-730-0653 (fax)

Whodunit
Improves French, Spanish, German language skills
Macintosh 512K or larger.
$39.95 retail; French, Spanish or German version
Gessler Educational Software; 55 W. 13th St.; New York, NY 10011; 212-627-0099 or 212-627-5948 (fax)

Wilde: "The Importance Of Being Earnest"
Electronic text
Macintosh Plus or larger; word processing program.
$59 retail
Shakespeare on Disk; Hollow Rd., PO Box 299M; Clinton Corners, NY 12514; 914-266-5705 or 914-876-6918 (fax)

The Wildebeest Migration: A Sierra Club Electronic Guide
Explore one of the last remaining wildlife spectacles
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 12- or 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
InterOptica Publishing Ltd./Take 2-Interactive; 575 Broadway; New York, NY 10012; 212-941-2988 or 212-941-2997 (fax)

Wind In The Willows
Story on disc
Macintosh LC or larger; 2 MB of RAM; CD-ROM drive.
$69 retail
Orange Cherry/New Media Schoolhouse; PO Box 390; Pound Ridge, NY 10576; 914-764-4104, 800-672-6002 or 914-764-0104 (fax)

Winning Elections
Political references
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive.
$49 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

Wonders Of Learning CD-ROM Library
Introduces children to the enchantment of reading
Macintosh with 2 MB of RAM; 256-color monitor recommended; System 6.0.8 or later; CD-ROM drive.
$89.95 per title retail
National Geographic Society, Educational Media Division; 17th and M Streets NW; Washington, DC 20036; 800-368-2728 or 301-921-1575 (fax)

The Wonders Of The Animal Kingdom
Early science, reading and spelling; ages 6 to 12
Macintosh LC or larger (color Macintosh only); System 6.0.7 or later.
$49.95 retail
Unicorn Software; 6000 S. Eastern Ave., Bldg. 9, Ste. A; Las Vegas, NV 89119; 702-597-0818 or 702-597-0008 (fax)

Word Attack 3
Vocabulary; ages 10 to adult
Macintosh Plus or larger (text-to-speech requires Classic or larger and System 7.0 or later); 2 MB of RAM (4 MB with System 6.0.7 or later); hard disk drive with 5 MB of free space; System 6.0.5 or later.
$49.95 retail
Davidson & Associates, Inc.; 19840 Pioneer Ave.; Torrance, CA 90503; 310-793-0600, 800-545-7677 or 310-793-0601 (fax)

Word Munchers
Vowel sounds for children ages 6 to 12
Macintosh Plus or larger; hard disk drive optional; System 6.0.2 or later.
$29.95 retail
MECC; 6160 Summit Dr. N; Minneapolis, MN 55430; 612-569-1500, ext. 529, 800-685-6322, ext. 529 or 612-569-1551 (fax)

■ **Word Play**
Educational puzzles
Macintosh Plus or larger; 2 MB of RAM (4 MB with System 7); System 6.0 or later; color or monochrome monitor.
Word Play enables a teacher to quickly and easily create and print out a variety of educational puzzles, including Word Search, Word Scramble, Word Bingo and others. Teachers only need to type in one list and the program can make one to six different types of puzzles along with answer keys. The assortment of puzzles gives students the opportunity to work with the same words in many enjoyable ways to reinforce a set of vocabulary words. Puzzles can be exported to desktop publishing programs for use in school newsletters or other publications.
$59.95 retail
Educational Activities, Inc.; PO Box 392; Freeport, NY 11520; 516-223-4666, 800-645-3739 or 516-623-9282 (fax)

Word Quest
Animated HyperCard spelling adventure
Macintosh Plus or larger; 1 MB of RAM (2 MB with System 7); System 6.0.5 or later; HyperCard (included).
$59.95 retail
Nordic Software, Inc.; PO Box 6007; Lincoln, NE 68506; 402-488-5086 or 402-488-2914 (fax)

Word Sleuth
Vocabulary and spelling drill
Macintosh Plus or larger.
$34.95 retail
Blue Poppy Productions; PO Box 34245; San Diego, CA 92163; 619-223-7385 or 800-242-7468

Word Tales
Learning game of words, letters and surprises; ages 4 to 7
Macintosh LC or II family; 4 MB of RAM (2.2 MB free); color monitor; System 6.0.7 or later; CD-ROM drive.
$59.99 retail; CD-ROM
$49.99 retail; floppy disk set
Time Warner Interactive; 2210 W. Olive Ave.; Burbank, CA 91506; 818-955-9999, 800-482-3766 or 818-955-6499 (fax)

Word Torture
Vocabulary drill
Macintosh Plus or larger; hard disk drive; HyperCard.
$39.95 each retail
Gessler Educational Software; 55 W. 13th St.; New York, NY 10011; 212-627-0099 or 212-627-5948 (fax)

■ **Words And Concepts I, II And III**
Strengthens language comprehension for those with disabilities
Any Macintosh.
Words and Concepts I, II and III help children and adults build vocabulary, strengthen their language comprehension, discover word relationships and develop important concepts. High-quality speech, colorful graphics and amusing animation capture and maintain the user's attention. Each program uses a core vocabulary of 40 nouns in six related language activities: Vocabulary, Categorization, Word Identification By Function, Word Association and the Concepts of Same and Different. Most of the activities have three levels of difficulty. The computer can be set to work on one level or branch among them, following the progress of the individual. Interface options include the keyboard, mouse, TouchWindow or a single switch. These programs can be used with non-readers, but there is a text option for beginning readers. At the end of a lesson, a detailed performance summary can be saved to disk or printed out.
$225 retail
Laureate Learning Systems, Inc.; 110 E. Spring St.; Winooski, VT 05404; 802-655-4755, 800-562-6801 or 802-655-4757 (fax)

WordSearch Creator
Creates puzzles from a word list
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later.
$59.95 retail
Centron Software, Inc.; 1500 Hwy. 15-501 N; Southern Pines, NC 28387; 910-692-2009, 800-848-2424 or 910-692-2173 (fax)

WordSearch Deluxe
Word puzzles
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.
$69.95 retail
Nordic Software, Inc.; PO Box 6007; Lincoln, NE 68506; 402-488-5086 or 402-488-2914 (fax)

WordSmart
Interactive Audio Visual Learning
Macintosh with 2 MB of RAM; hard disk drive; System 6.0 or later.
$64.95
Smartek Software; 2223 Avenida De La Playa, Ste. 108; La Jolla, CA 92037; 619-456-5064, 800-858-9673 or 619-456-3928 (fax)

WordsWhere? 2.0
Word-search puzzle generator; reinforces vocabulary and spelling skills
Macintosh Plus or larger; 1 MB of RAM; System 6.0.2 or later.
$49.95 retail
Blue Poppy Productions; PO Box 34245; San Diego, CA 92163; 619-223-7385 or 800-242-7468

World Bank Data
Provides education, business and government with an unmatched resource for critical thinking on the pivotal issues of our time
Macintosh Plus or larger; 2 MB of RAM; HyperCard 2.1 or HyperCard Player; System 6.0.5 or later.
$70 to $95 each retail
PEMD Education Group; PO Box 39; Cloverdale, CA 95425; 707-894-3668 or 707-894-5200 (fax)

■ **World Discovery**
Global geography and history discovery game; ages 8 to adult
Macintosh Plus or larger; 1 MB of RAM; System 6.0.7 or later.
World Discovery is a fun, interactive global geography and history program that tests a user's knowledge of geographical, political and historical people, places and events. This fun and educational program contains 19 maps from around the globe. Each colorful map can show countries, states, cities, mountain ranges, rivers, lakes, seas, oceans and much more. These maps can be explored using 12 interactive and challenging games and activities. With World Discovery, users can create their own games and quiz questions, play against the clock, link map, name and question files for multiple facets in a single game, identify locations, solve puzzles and zoom in, print or flip maps at the click of a button.
$59.95 retail

Great Wave Software; 5353 Scotts Valley Dr.; Scotts Valley, CA 95066; 408-438-1990 or 408-438-7171 (fax)

World Factbook 1994
World almanac of the Federal Government
Macintosh Plus or larger; 1 MB of RAM; CD-ROM player.
$25 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

World History: 20th Century
Chronicles major events and people
Macintosh LC or larger; 4 MB of RAM; CD-ROM drive.
$79.95 retail
MultiEducator Inc.; 244 North Ave.; New Rochelle, NY 10801; 914-254-4346, 800-866-6434 or 914-235-5131 (fax)

World Vista Atlas
International atlas
Color Macintosh; 13-inch monitor; 500K VRAM; System 7.0 or later; CD-ROM drive.
$59.95 retail
Applied Optical Media Corp.; 1450 Boot Rd., Bldg. 400; West Chester, PA 19380; 215-429-3701, 800-321-7259 or 215-429-3810 (fax)

Write This Way
Grammar checking software for special needs students
Macintosh LC or larger; System 6.0.7 or later.
$194.95 retail
Hartley Courseware; 3451 Dunckel Rd., Ste. 200; Lansing, MI 48911; 517-394-8500, 800-247-1380 or 517-394-9899 (fax)

WritePro 1/2/3/4
Creative writing tutorial program
Macintosh Plus or larger; System 4.1 or later (System 6.0.4 or later and printer recommended).
$99.95 retail; WritePro 1/2/3/4
$149.95 retail; WritePro SixPack
$199.95 retail; WritePro 1-8
The WritePro Corp.; 43 S. Highland Ave.; Ossining, NY 10562; 914-762-1255, 800-755-1124 or 914-762-5871 (fax)

The Writing Center
Program for writing reports, letters, outlines, newsletters, etc.
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0 or later.
$89.95 retail
The Learning Co.; 6493 Kaiser Dr.; Fremont, CA 94555; 510-792-2101, 800-852-2255 or 510-792-9628 (fax)

Writing Every Day
Writing exercises; grades 4 to 12
Macintosh Plus or larger; 1 MB of RAM; HyperCard 2.0 or later.
$80 retail
Full Circle Media; 25 Valley View Ave.; San Rafael, CA 94901; 415-453-9989

YidPix
Judaic pictures
Macintosh Plus or larger; hard disk drive; HyperCard; Kid Pix; color monitor.
$24.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

Your Personal Trainer For The SAT 2.0
Boost SAT scores
Macintosh SE or larger; 4 MB of RAM; hard disk drive with 4.5 MB of free space; System 7.0 or later.
$59.95 retail
Davidson & Associates, Inc.; 19840 Pioneer Ave.; Torrance, CA 90503; 310-793-0600, 800-545-7677 or 310-793-0601 (fax)

Zap-A-Graph
High-performance graphing program for high school mathematics and Calculus
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.
$69 U.S. retail
$299 U.S. retail; site license
Free demo disk is available
Brain Waves Software Inc.; RR #1; Fitzroy Harbour, Ontario, Canada K0A 1X0; 613-623-8686 (phone/fax)

■ **Zargon Zoo**
Improves children's reading language level
Macintosh with 68030 processor; 4 MB of RAM; System 7.0 or later; 8-bit, 256-color monitor; dual-speed CD-ROM drive.
Zargon Zoo is a children's edutainment product targeted at the area of English Language Teaching. It is an interactive comic book based on Heinemann International's Graded Reader Scheme for English Language teaching. These are entertaining stories written specifically to provide material aimed at the reader's language level. With both "play" and "read to me" modes, it provides users of all ages with hours of wacky entertainment. Zargon Zoo includes 32 screens of wild and wacky interactive fun; Zargon Zoo, the book; an on-screen coloring book; printable worksheet for photocopying; and for those involved in teaching, a Teacher's Guide to using Graded Readers in the classroom.
$42 retail
Plum Productions; Bartley House; Main Rd., East Boldre; Brockenhurst, Hampshire, UK S042 7WT; +44-590-612443 or +44-590-612423 (fax)

Zurk's Learning Safari
Multimedia exploratorium
Macintosh LC or larger; 3 MB of RAM (4 MB with System 7); 13" color monitor (640 by 480 resolution); System 6.0.7 or later.
$59.95 retail
Soleil Software, Inc.; 3853 Grove Court; Palo Alto, CA 94303; 415-494-0114

¿Dónde está Carmen Sandiego en el mundo?
Spanish language program
Macintosh with 4 MB of RAM (6 MB recommended); 9 MB of free hard disk space for installation (2.5 MB for application); 256-color monitor; System 6.0.7 or later.
$79.95 retail
Gessler Educational Software; 55 W. 13th St.; New York, NY 10011; 212-627-0099 or 212-627-5948 (fax)

Personal & Home/ Genealogy

Family Events
Event-oriented and lineage-linked genealogy program
Macintosh Plus or larger; System 6.0.5 or later.
$45 retail
(M)agreeable Software, Inc.; 5925 Magnolia Ln.; Plymouth, MN 55442; 612-559-1108

Family Heritage File
Full-featured genealogy management system
Macintosh 512K or larger; external disk drive or hard disk drive recommended.
$149 retail; dealer prices available
Starcom Microsystems; 25 West 1480 North; Orem, UT 84057; 801-225-1480

Family Roots Version 3.6
Genealogy
Macintosh Plus or larger; 2 MB of RAM.
$179 retail; includes Family Links
Quinsept, Inc.; PO Box 216; Lexington, MA 02173; 617-641-2930 or 800-637-7668

HeartWood Release 2.5
Genealogical software
Any Macintosh; HyperCard 2.0 or later.
$75 retail; information and free demo available (a French version is also available)
HeartWood Software, Inc.; PO Box 5190; BayView Station; Bridgeport, CT 06610; 203-374-7481

Life History Disk
Produces significant life histories
Any Macintosh; MacWrite, Microsoft Word or WordPerfect or other word processor.
$19.95 retail (dealer prices available)
Starcom Microsystems; 25 West 1480 North; Orem, UT 84057; 801-225-1480

MacGene
Genealogy; family history
Macintosh 512K or larger.
$145 retail
$25 retail; demo
Applied Ideas, Inc.; PO Box 3225; Manhattan Beach, CA 90266; 213-545-2996

MacGenogram
Graphic utility for producing genograms
Any Macintosh.
$90 retail
Humanware; 2908 Nancy Creek Rd. NW; Atlanta, GA 30327; 404-352-3871

■ **MacRoots II**
Genealogy program
Macintosh Plus or larger; System 6.0.9 or later; hard disk drive.
MacRoots II is a full-featured genealogy program. It supports up to 10,000 individuals and families, 10 marriages per person and 35 children per family. Four event fields per individual and two per family allow users to record events in a person's life. Flexible event and source documentation is provided, and references to source material are footnoted on Family Group and individual reports. MacRoots provides Family Group, five-generation pedigree, descendants, individual history and linear ancestor charts, as well as a large number of printed lists. MacRoots II is GEDCOM compatible for import and export of genealogy data. There are many unique features to speed data entry, including duplication of records, auto-caps of letters, duplication between records or similar information and duplication of place information within a record. Dot matrix, laser and ink jet printers are supported. Free-form notes for each individual can be up to 32K (about 10 pages) using font, size or style. A separate utility disk is available for exporting charts to disk files, printing blank charts, exporting mailing labels and exporting data files to other database programs.
$99 retail
Itasca Softworks; PO Box 427; Bagley, MN 56621; 218-785-2745

Reunion 4.0
Family tree software
Any Macintosh; 4 MB of RAM; hard disk drive; System 7.0 or later.
$169 retail
Leister Productions; PO Box 289; Mechanicsburg, PA 17055; 717-697-1378 or 717-697-4373 (fax)

Sesame
Database management system for historical research
Macintosh Plus or larger; 1 MB of RAM; two 800K disk drives or one disk drive and hard disk drive; System 6.0.2 or later.
$195 retail
Commsoft, Inc.; PO Box 310; Windsor, CA 95492; 707-838-4300, 800-327-6687 or 707-838-6343 (fax)

Personal & Home/ Nutritional & Health Software

Better Homes And Gardens Healthy Cooking CD Cookbook
Interactive cookbook with full-motion video
Macintosh II or larger; 4 MB of free RAM; 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$59.95 retail
Multicom Publishing, Inc.; 1100 Olive Way, Ste. 1250; Seattle, WA 98101; 206-622-5530 or 206-622-4380 (fax)

■ **Daily Diet Tracker**
Calorie counter and fat intake tracker
Macintosh Plus or larger; FileMaker Pro runtime.

Daily Diet Tracker is a computerized way to count calorie and fat intake. It was designed for dieters who either forget to stay current or find it too difficult to compute their intake with conventional methods. To count fat intake, for example, it's necessary to copy the fat grams off a label, multiply by nine and then divide the results by the total calories listed on the label. This program accomplishes the same task — only computer-swift and computer-accurate. Users merely enter the label-listed fat grams and the program does all the calculations. It is an easy-to-learn, easy-to-use dieting aid that meets the recommendations of almost every diet expert; the need to keep an exact daily record of fat and calorie consumption in accordance with a prescribed diet.
$29 retail
Simplified; 642 E. Squirrel Tail Dr.; Tucson, AZ 85704; 602-797-2990 or 602-797-7865 (fax)

The Diet Balancer
Nutrition program
Macintosh Plus or larger; System 6.0.4 or later.
$69.95 retail
Nutridata Software Corp.; PO Box 769; Wappingers Falls, NY 12590; 800-922-2988 or 914-298-1785 (fax)

Dietician
Nutritional information
Macintosh 512K or larger.
$94.95 retail
Alsoft, Inc.; PO Box 927; Spring, TX 77383; 713-353-4090 or 713-353-9868 (fax)

Digital Gourmet Classic
Electronic cookbook
Macintosh Plus or larger.
$49 retail
Books-On-Disk; 311 Harvard St.; Brookline, MA 02146; 617-734-9700 or 617-734-3974 (fax)

Digital Gourmet Deluxe
Electronic cookbook
Macintosh Plus or larger; hard disk drive with 5 MB of free space.
$145 retail
$95 retail; CD version
Books-On-Disk; 311 Harvard St.; Brookline, MA 02146; 617-734-9700 or 617-734-3974 (fax)

DINE Healthy
Nutrition analysis
Macintosh Plus or larger; 8 MB of free disk space; 2 MB of RAM.
$99 retail
DINE Systems, Inc.; 586 N. French Rd., Ste. 2; Amherst, NY 14228; 716-688-2400 or 716-688-2505 (fax)

■ **Dishes On A Disk**
Cookbook
Macintosh Plus or larger; FileMaker Pro runtime.
Dishes on a Disk is a cookbook that starts with a core database of delicious, well-tested recipes, from appetizers to desserts, and then takes users far beyond any conventional printed cookbook. It makes out shopping lists tailored to whatever menu or menus are desired, and the number of people being served. Creation of a personalized cookbook is made easy by adding the user's own favorite recipes, and the program has the capability of including ethnic dishes for guests with special preferences. It was designed to eliminate any need for bulky cookbooks or recipe cards crammed into a small box, yet it also can print out recipe cards, if desired.
$39 retail
Simplified; 642 E. Squirrel Tail Dr.; Tucson, AZ 85704; 602-797-2990 or 602-797-7865 (fax)

The Food Processor, Raw Materials Database
Database of raw materials and ingredients
Macintosh Plus or larger; hard disk drive.
$595 retail
ESHA Research; PO Box 13028; Salem, OR 97309; 503-585-6242 or 503-585-5543 (fax)

The Food Processor
Nutrition/diet analysis
Macintosh 512K or larger; 800K disk drive (400K version available); printer (optional).
$295 retail; with 2,400-food database — Basic Version
$495 retail; with 5,000+ foods, 105 nutrients — Plus Version
$25 to $99 each retail; user-specific food databases
ESHA Research; PO Box 13028; Salem, OR 97309; 503-585-6242 or 503-585-5543 (fax)

Great Chefs — Masters Collection
Recipes, tips and more
Macintosh Plus or larger.
$39.95 retail
Lifestyle Software Group; 63 Orange St.; St. Augustine, FL 32084; 904-825-0220, 800-289-1157 or 904-825-0223 (fax)

The Healing Foods Cookbook
Delicious recipes with curative powers
Macintosh LC or larger; 4 MB of RAM; color display; System 6.0.7 or later; CD-ROM drive.
$39.95 retail
Compton's NewMedia, Inc.; 2320 Camino Vida Roble; Carlsbad, CA 92009; 619-929-2500 or 619-929-2511 (fax)

The Healthy Home CookStack
Recipes designed to establish healthy eating habits
Macintosh Plus or larger; 1 MB of RAM; 800K disk drive; HyperCard 2.1.
$25 retail
SanSoft; 892 E. Quail Pl.; Highlands Ranch, CO 80126; 303-947-6406

iMHOTep 1.1
Interactive multimedia program focusing on black health issues
Macintosh Plus or larger; 2 MB of RAM; hard disk drive with 6 MB of free space; 32-bit QuickDraw; HyperCard 2.0.
$112 retail; black and white
$122 retail; color
$22 retail; annual info update subscription (quarterly on disk)
AfroLink Software; 1815 Wellington Rd.; Los Angeles, CA 90019; 213-731-5465 or 213-730-0653 (fax)

Jewish Computer Cookbook
Kosher recipes
Macintosh Plus or larger; 1 MB of RAM; HyperCard.
$39.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

Kathy Smith's Fat Burning System
Fitness; ages teen to adult
Macintosh with 68030 processor or larger; 2 MB of free RAM; 2 MB of free hard disk space; 8-bit, 256 colors (640 by 480); System 7.0 or later; CD-ROM drive.
$69.95 retail
Xiphias; 8758 Venice Blvd.; Los Angeles, CA 90034; 310-841-2790, 800-421-9194 or 310-841-2559 (fax)

Mangia!
Cookware for the Macintosh
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.5 or later.
$49.93 retail
Upstill Software; 1442A Walnut; Berkeley, CA 94709; 510-486-0761, 800-568-3696 or 510-486-0762 (fax)

Mayo Clinic Family Health Book
Home medical reference
Macintosh LC or larger; 4 MB of RAM; System 6.0 or later; CD-ROM drive.
$69.95 retail
IVI Publishing, Inc.; 7500 Flying Cloud Dr., Ste. 400; Minneapolis, MN 55344; 612-996-6000, 800-952-4773 or 612-996-6001 (fax)

Mayo Clinic Family Pharmacist
Comprehensive guide to medications, early detection and first aid
Macintosh LC or larger; 5 MB of RAM; System 7.01 or later; CD-ROM drive.
$99.95 retail
IVI Publishing, Inc.; 7500 Flying Cloud Dr., Ste. 400; Minneapolis, MN 55344; 612-996-6000, 800-952-4773 or 612-996-6001 (fax)

Mayo Clinic — The Total Heart
Comprehensive guide to heart health and heart disease
Macintosh LC or larger; 4 MB of RAM; System 6.0 or later; CD-ROM drive.
$59.95 retail
IVI Publishing, Inc.; 7500 Flying Cloud Dr., Ste. 400; Minneapolis, MN 55344; 612-996-6000, 800-952-4773 or 612-996-6001 (fax)

Medical HouseCall
Provides medical advice
Macintosh with 68030 or larger processor; 4 MB of RAM; 13 MB of free hard disk space; color monitor (recommended); System 6.1 or later.
$99.95 retail
Applied Medical Informatics; 2681 Parleys Way, Ste. 101; Salt Lake City, UT 84109; 801-464-6200, 800-441-0154 or 801-464-6201 (fax)

Medicine Monitor
Keeps track of prescription and over-the-counter medicines
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$79 retail
DINE Systems, Inc.; 586 N. French Rd., Ste. 2; Amherst, NY 14228; 716-688-2400 or 716-688-2505 (fax)

Menstat 2.0
Desktop software for fertility planning
Macintosh Plus or larger; 800K disk drive; optional reference requires HyperCard 2.1 or later; System 6.0 or later.
$99 retail
Sudona; 2118 Guadalupe, Ste. 195; Austin, TX 78705; 512-477-1366

Menstat 3.0
Fertility planning software
Macintosh Plus or larger; System 6.0 or later.
$39 retail
Sudona; 2118 Guadalupe, Ste. 195; Austin, TX 78705; 512-477-1366

Micro Kitchen Companion
Cooking reference system
Macintosh Plus or larger.
$49.95 retail
Lifestyle Software Group; 63 Orange St.; St. Augustine, FL 32084; 904-825-0220, 800-289-1157 or 904-825-0223 (fax)

■ **The New Basics Electronic Cookbook**
Recipes and cooking hints
Macintosh with 68030 processor or larger; 2 MB of free RAM; 2 MB of free hard disk space; 8-bit, 256 colors (640 by 480); System 7.0 or later; CD-ROM drive.
Culled from the best-selling Silver Palate Cookbook series by authors Julee Rosso and Sheila Lukins, The New Basics Electronic Cookbook includes a library of more than 1,800 delicious recipes, hundreds of full-color pictures and a range of helpful voice-over cooking hints spoken by the authors themselves. Users pick the search guidelines, choosing first from food groups, special occasions and meal types. Once a recipe is found, special tables are provided to help users make decisions about substituting ingredients, changing portions or switching to metric measurements. This multimedia cookbook is rich with helpful information on buying, preparing and serving delicious meals, and will help design a custom gourmet menu using the ingredients that are readily at hand.
$69.95 retail
Xiphias; 8758 Venice Blvd.; Los Angeles, CA 90034; 310-841-2790, 800-421-9194 or 310-841-2559 (fax)

Nutri-Calc Plus V1.2.1
Nutrition; diet/recipe analysis
Macintosh Plus or larger.
$159 retail
Camde Corp.; 449 E. Saratoga St.; Gilbert, AZ 85296; 602-926-2632 (phone/fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

■ **Nutritional Engineering Tool**
Complete meal manager
Macintosh SE/30 or larger; System 6.0.8 or later.
Nutritional Engineering Tool (NET) is a complete meal manager with access to more than 5,000 USDA foods, individually input foods or uploads from other food resources. NET provides complete nutritional information. NET allows real-time analysis of the nutritional content of foods from the basic values, such as proteins, carbohydrates and fat rations through vitamin and mineral RDAs and limits. NET calculates and maintains diabetic exchanges for foods, recipes or entire meals. NET allows foods to be combined, forming recipes or meals that can be further massaged to calculate daily nutritional profiles. NET has configurable optimum limits for major nutritional values, which are graphically displayed "live," allowing the user to immediately see the impact of changing meal compositions. NET evaluates eating habits and maintains records of nutritional history. The system accommodates the sophisticated licensed dietitian, as well as the user that monitors food intake or saves recipes.
$129 to $529 retail
Pennsylvania House Limited; PO Box 338; Ingomar, PA 15127; 412-367-7234 or 412-367-8220 (fax)

■ **Nutritionist IV-Diet Analysis**
Diet analysis
Macintosh Plus or larger.
Nutritionist IV analyzes diets, menus, recipes and individual food items for nutrient content in any or all 76 nutrients. It includes an editable database of 12,000 foods and unlimited expandability. It keeps track of recipes in the recipe cookbook, recipe scaling and ingredient tracking, and includes a food guide pyramid and fitness and weight control.
$495 retail
N-Squared Computing; First Data Bank Division; The Hearst Corp.; 1111 Bayhill Dr., Ste. 270; San Bruno, CA 94066; 415-266-8016, 800-289-1701 or 415-266-8019 (fax)

The Outdoor Athlete 2.0
Combines text, narrated QuickTime videos and a journal-keeping feature
Macintosh LC or larger; 4 MB of RAM;14-inch color monitor; CD-ROM drive.
$34.95 retail
Johnson Books Electronics; 1880 S. 57th Ct.; Boulder, CO 80301; 303-433-1576 or 303-443-1679 (fax)

Personal Pediatrician
Medical diagnostic aid that helps parents pinpoint and treat their children's medical problems
Macintosh 512K or larger; at least one 400K disk drive.
$69.95 retail
FamilyCare Software; 7071 Orchard Lake Rd., Ste. 235; West Bloomfield, MI 48322; 810-851-8282 or 800-426-8426

Recipe Master 1.1
Nutritional analysis program
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; HyperCard 1.2 or later.
$59 retail; site licenses available
Big Byte Software; 1814 Rosemount Ave.; Claremont, CA 91711; 909-626-3219

Take Control Of Cholesterol
Helps users fight back against cholesterol
Macintosh 512K or larger.
$19.95 retail
Lifestyle Software Group; 63 Orange St.; St. Augustine, FL 32084; 904-825-0220, 800-289-1157 or 904-825-0223 (fax)

Vital Signs: The Good Health Resource
Health reference
Macintosh Plus or larger; 2 MB of RAM; CD-ROM drive.
$79.95 retail
Texas Caviar, Inc.; 3933 Steck Ave., Ste. B-115; Austin, TX 78759; 512-346-7887 or 512-346-1393 (fax)

Personal & Home/Personal & Home Finance

1994 Tax Templates
Forms and schedules
Macintosh with 1 MB of RAM; Microsoft Excel or Works.
$49 retail; 1040 Individual
$19 retail; state supplements
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

Aatrix CheckWriter Pro
Small business/home finance
Macintosh Plus or larger.
Aatrix CheckWriter Pro is a versatile home/small business finance software package. Users can tear a check out of their checkbook and begin; there is no waiting for special checks. Any business or personal checkbook check can be used. It even prints checks on plain paper. CheckWriter reminds users of bills that are due. It automatically enters service charges and interest payments on multiple accounts. Version 6.0 offers an entirely new interface, multiple accounts, budgeting, graphing, over budget warning, an address database with envelope/mailing label printing, tax summaries, cash projections, income vs. expense reports, inventory, invoicing and double entry accounting options. It also includes a Loan Calculator, Automobile Purchasing Guide, Insurance Planning, Retirement Planning, Early Loan Payoff Options, Savings Calculator, Lottery Section, MacInTax link and Quicken file converter. The program includes stock, bond and fund handling.
$79 retail
Aatrix Software, Inc.; PO Box 5359; Grand Forks, ND 58201; 701-746-6801, 800-426-0854 or 701-746-4249 (fax)

Aatrix Hi!Finance
Personal and small business finance package
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.
Aatrix Hi!Finance is a comprehensive personal and small business package. A new colorful, easy-to-use interface has been added. It tracks and manages an unlimited number of checking, savings, stocks, bonds, loan, asset and liability accounts. It automatically calculates up-to-the-minute net worth using automatic stock price downloading, auto asset depreciation/appreciation and auto interest/service charges. Hi!Finance can print checks on any printer. There is no waiting for special checks — any personal or business check can be used. It even prints checks on plain paper. Users can record detailed home or business inventory video with QuickTime. This multimedia capability allows users to record, store and play back detailed inventory records. The program converts Quicken files into Hi!Finance files.
$99 retail
Aatrix Software, Inc.; PO Box 5359; Grand Forks, ND 58201; 701-746-6801, 800-426-0854 or 701-746-4249 (fax)

■ **Accountable**
Personal financial management
Newton MessagePad or Sharp Expert Pad.
Accountable is a personal financial management system for the Newton. It handles checking, saving, credit card, even frequent flier accounts. Users can record categories, reconcile and print the register. Accountable has an exceptional Assist feature and enough functions to be a user's only account manager. It is compatible with all Newton models and can export transactions to other financial management systems via the Connection Kit.
$39 retail
Nomadic Technologies; 19948 Laurel Ave.; Rocky River, OH 44116; 216-331-5771 or 216-331-5887

The Banker's Secret Credit Cost Cutter Software
Shows how much money can be saved by paying more than the required minimum
Macintosh 512K or larger.
$28 retail
Good Advice Press; PO Box 78; Elizaville, NY 12523; 914-758-1400, 800-255-0899 or 914-758-1475 (fax)

The Banker's Secret Loan Software
How to save thousands of dollars in interest
Macintosh 512K or larger.
$42.95 retail
Good Advice Press; PO Box 78; Elizaville, NY 12523; 914-758-1400, 800-255-0899 or 914-758-1475 (fax)

Bond Portfolio Manager
Portfolio management
Any Macintosh; Microsoft Excel or ClarisWorks.
$89 retail
Larry Rosen Co.; 7008 Springdale Rd.; Louisville, KY 40241; 502-228-4343 or 502-228-4782 (fax)

ClaimPlus
Health insurance tracker
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.5 or later.
$69.99 retail
$49.99 retail; seniors and vets
Te Corp.; PO Box 140; Campton, NH 03223; 603-726-7177, 800-725-2645 or 603-726-8818 (fax)

EZForms SF171
Application for government employment
Macintosh Plus or larger; PostScript laser printer; System 6.0.7 or later.
$39.95 retail
EZForms Co.; 4711 Tee View Ct.; Santa Rosa, CA 95405; 707-544-7144 (phone/fax)

Financial And Interest Calculator
Retirement plan IRR, loan-amortization schedules, increasing annuities, etc.
Any Macintosh.
$89 retail
Larry Rosen Co.; 7008 Springdale Rd.; Louisville, KY 40241; 502-228-4343 or 502-228-4782 (fax)

GriffTax
Canadian income tax software
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.7 or later.
$69 Canada retail; GriffTax Personal
$275 Canada retail; GriffTax Professional
$475 ($575 Quebec) retail; GriffTax Trust
$375 retail; GriffTax Corporate
Colin Griffiths & Associates Ltd.; 120 Pineridge Rd.; Carp, Ontario, Canada K0A 1L0; 613-839-2455 or 613-839-1764 (fax)

The Home Collection
Productivity software
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.
$15 per volume retail
Learning Associates International BV; Boterstraat 58; 3111 ND Schiedam; The Netherlands; 00-31-10-4-26-22-78 or 00-31-10-4-73-02-24 (fax)

■ **Home/Office Inventory**
Keeps inventory of important records, documents
Macintosh Plus or larger; FileMaker Pro runtime.
Home/Office Inventory is a computerized filing cabinet that stores a complete inventory of all important

records, documents and possessions, such as jewelry, stocks and bonds, furniture and/or office equipment by room, credit card numbers, appliance serial numbers, tax returns and insurance policy data. Users can also enter dates and amounts of purchases and value of individual items. It comes with built-in graphics appropriate for easy reference and application. For example, it can create a floor plan of a user's home, complete with dimensions, and an exterior rendition as well. The program provides the kind of inventory-keeping that would be especially helpful to law enforcement or insurance company adjusters if the need arose, and it's also an effective, practical sales tool when putting a home on the market.
$49 retail
Simplified; 642 E. Squirrel Tail Dr.; Tucson, AZ 85704; 602-797-2990 or 602-797-7865 (fax)

HomeSmarts
Competitive edge for home buying, selling or refinancing
Macintosh Plus or larger; 1 MB of RAM; hard disk drive.
$250 retail
Cognition Technology Corp.; 1000 Massachusetts Ave.; Cambridge, MA 02138; 617-492-0246 or 617-492-0247 (fax)

HomeTools For Macintosh
Home productivity
Macintosh Plus or larger; 2 MB of RAM; System 7.0 or later.
$89.99 retail
Pointex, Inc.; 20311 Valley Blvd., Ste. M; Walnut, CA 91789; 909-594-6321 or 909-594-7318 (fax)

HyperTax Tutor — The Tax Guide For Maximum Tax Savings
Helps users learn how to make tax laws work to their advantage
Macintosh SE or larger.
$99 retail
SoftStream International, Inc.; 106 State Rd.; N. Dartmouth, MA 02747; 508-991-4011, 800-262-6610 or 508-991-4223 (fax)

■ **LivingTrustBuilder 3.1**
Estate planning
Macintosh 512K or larger; hard disk drive; MacWrite 5.0.
LivingTrustBuilder is a living trust development tool for both community property and separate property states. It educates and prepares users to make serious decisions required before a visit to an attorney/estate planner. It enables users to avoid the cost and inconvenience of probate, secure all allowable estate and inheritance tax savings and maximize the amount of estate that will be distributed to beneficiaries. Ready to edit templates include trusts for single and married persons, wills, health care and asset powers of attorney, quitclaim deeds and directive to physician (Living Will). The documents are easily customized and printed for legal review using a word processor. LivingTrustBuilder includes a best-selling book, "Understanding Living Trusts," by Vickie and Jim Schumacher. Authors discuss concepts of estate planning in conversational English, dispelling myths about probate and answering commonly asked questions. Living Trust is also effective as a pre-nuptial agreement.
$79 retail
JIAN; 1975 W. El Camino Real, Ste. 301; Mountain View, CA 94040; 415-254-5600 or 415-254-5640 (fax)

MacAuto 3.41
Automotive logbook
Macintosh 512K or larger.
$40 retail
Cra Z Software; PO Box 6379; Haverhill, MA 01831; 508-521-5262

MacInTax Personal/1040
Tax preparation and planning
Macintosh Plus or larger; hard disk drive.
$69.95 retail
ChipSoft, Inc.; 6330 Nancy Ridge Dr., Ste. 103; San Diego, CA 92121; 602-295-3100 (personal tax preparers), 619-550-5050 (professional tax preparers) or 800-374-7057 (fax)

MacInTax State Supplements
Print state tax forms
Macintosh Plus or larger; hard disk drive.
$39.95 each retail
ChipSoft, Inc.; 6330 Nancy Ridge Dr., Ste. 103; San Diego, CA 92121; 602-295-3100 (personal tax preparers), 619-550-5050 (professional tax preparers) or 800-374-7057 (fax)

Managing Your Money
Personal financial software
Macintosh with 68000, 68020, 68030 processor or larger; 2 MB of RAM; 3 MB of hard disk space; System 6.0.2 or later.
$79.95 suggested retail
MECA Software, Inc.; 55 Walls Dr.; Fairfield, CT 06430; 203-256-5000, 800-820-7457 or 800-944-6322 (fax)

Market Charter V1.1
Stack for stock charting and technical analysis on a weekly basis
Macintosh Plus or larger; HyperCard 1.2.5 or later.
$59.95 retail
Survivor Software Ltd.; 11222 La Cienega Blvd., Ste. 450; Inglewood, CA 90304; 310-410-9527 or 310-338-1406 (fax)

Nolo's Personal RecordKeeper 3.0
Maintains personal, financial and legal information
Macintosh Plus or larger; System 4.1 or later.
$49.95 retail
Nolo Press; 950 Parker St.; Berkeley, CA 94710; 510-549-1976, 800-992-6656 (orders) or 510-548-5902 (fax)

Options Valuation
Determines the value for an option
Any Macintosh.
$89 retail
Larry Rosen Co.; 7008 Springdale Rd.; Louisville, KY 40241; 502-228-4343 or 502-228-4782 (fax)

Options-80A: Advanced Stock Option Analyzer V3.0
Helps increase returns from stock market
Macintosh 512K or larger.
$150 retail; program
$10 retail; demo
Options-80; PO Box 471; Concord, MA 01742; 508-369-1589

Personal Financial Planning Set
Asset management, insurance analysis, education financing analysis, tax/cash flow and estate analysis
Macintosh 512K or larger; Microsoft Excel or Works.
$96 retail
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

Quicken 4
Personal and small business finance software
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0 or later.
$69.95 suggested retail
Intuit; PO Box 3014; Menlo Park, CA 94026; 415-858-6095 or 800-624-8742

WealthBuilder 3.0 By Money Magazine
Personal financial planning and investing system
Macintosh Plus or larger; 2 MB of RAM; 800K disk drive; hard disk drive; System 6.0.5 or later; optional online link requires Hayes-compatible 2400 baud or faster modem.
$109.95 suggested retail
$9.95 to $24.95 per month; Online service, Basic service
Reality Technologies, Inc.; 2200 Renaissance Blvd.; King of Prussia, PA 19406; 610-277-7600, 800-346-2024 (sales) or 610-278-6115 (fax)

Personal & Home/Religion

acCordance
English/Greek/Hebrew Bible system
Macintosh Plus or larger; 2.5 MB of RAM (4 MB with System 7); System 6.0 or later.
$240 and up retail
The Gramcord Institute; 2218 NE Brookview Dr.; Vancouver, WA 98686; 206-576-3000 or 503-761-0626 (fax)

al hadi 1.0
Teaches the principles and practices of Islam
Macintosh Plus or larger; 2 MB of RAM; hard disk drive with 3 MB of free space; 32-bit QuickDraw; color monitor for color version.
$47 retail; black and white
$54 retail; color
AfroLink Software; 1815 Wellington Rd.; Los Angeles, CA 90019; 213-731-5465 or 213-730-0653 (fax)

AnyText
Bible search engine
Macintosh Plus or larger; 2 MB of RAM; System 6.0.7 or later.
$99.95 retail
Linguist's Software; PO Box 580; Edmonds, WA 98020; 206-775-1130 or 206-771-5911 (fax)

ASCII Textfile Bible
Entire text of King James Version
Macintosh Plus or larger; hard disk drive.
$30 retail
Holy Mountain Software; 2775 Fountain Cir.; Sarasota, FL 34235; 813-951-0246

Bible Helps 3.2
Computer-based Bible reference and study tools
Macintosh Plus or larger; hard disk drive; HyperCard 2.0 or later or HyperCard Player.
$35 shareware
Apex Software; 5675 Jackson St. NE; Fridley, MN 55432; 612-571-1910

HaYom Online Hebrew Calendar
Hebrew calendar program
Any Macintosh.
$36 retail; also available for Windows and OS/2
A.G. Reinhold; 14 Fresh Pond Pl.; Cambridge, MA 02138; 617-491-4937 or 617-864-3512 (fax)

Holy Bible
Complete text of the Bible
Any Macintosh; 800K disk drive.
$59.95 each retail
Linguist's Software; PO Box 580; Edmonds, WA 98020; 206-775-1130 or 206-771-5911 (fax)

Holy BibleStack II
Computer-based Bible reference tools
Macintosh Plus or larger; hard disk drive; HyperCard 2.x.
$29 retail; King James Version
Holy Mountain Software; 2775 Fountain Cir.; Sarasota, FL 34235; 813-951-0246

HyperHanukkah
Ancient traditions of Hanukkah
Macintosh Plus or larger; hard disk drive; HyperCard.
$39.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

HyperSeder
Jewish knowledge
Macintosh Plus or larger; HyperCard.
$39.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

The King James Bible
New Testament on disk
Macintosh Plus or larger.
$49 retail
Books-On-Disk; 311 Harvard St.; Brookline, MA 02146; 617-734-9700 or 617-734-3974 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

macBible 3.0
Bible study and research
Macintosh Plus or larger; 2 MB of RAM; one 800K disk drive; hard disk drive recommended.
$129.99 each module retail
Zondervan Electronic Publishing; 5300 Patterson SE; Grand Rapids, MI 49530; 800-727-7759 or 616-698-3293 (fax)

MacConcord I (KJV)
New Testament Concordance
Any Macintosh; external disk drive or hard disk drive; MacWrite, Microsoft Word or compatible word processor.
$16.95 retail U.S.; $27 retail non-U.S.
$5 retail U.S.; $7 retail non-U.S.; Demo
Medina Software, Inc.; PO Box 521917; Longwood, FL 32752; 407-260-1676 or 407-260-1636 (fax)

MacGospel (KJV)
Gospels of Matthew, Mark, Luke and John
Any Macintosh; external disk drive or hard disk drive; MacWrite, Microsoft Word or compatible word processor.
$12.95 retail U.S.; $23 retail non-U.S.; available in HyperCard version (HyperGospel)
$5 retail U.S.; $7 retail non-U.S.; Demo
Medina Software, Inc.; PO Box 521917; Longwood, FL 32752; 407-260-1676 or 407-260-1636 (fax)

MacGreek New And Old Testaments; MacHebrew Scriptures
Entire text of the Greek New Testament, the Alfred Rahlfs edition of the LXX and the Biblia Hebraica Stuttgartensia
Any Macintosh; Microsoft Word or any word processor; MacGreek, LaserGreek, MacGreek Hebrew & Phonetics or AnyText for Greek texts; LaserHebrew, MacHebrew or MacGreek, Hebrew & Phonetics for Hebrew texts.
$59.95 each retail; MacGreek New Testament, MacGreek Old Testament, MacHebrew Scriptures $79.95 each retail; MacGreek NT with Grammatical Tags, IT Greek NT with Grammatical Tags $99.95 retail; MacGreek OT with Grammatical Tags and Dictionary Forms Specify Microsoft Word or AnyText formatting
Linguist's Software; PO Box 580; Edmonds, WA 98020; 206-775-1130 or 206-771-5911 (fax)

MacGreek New Testament And MacHebrew Scriptures Dictionary
Spell checking in Microsoft Word
Any Macintosh; 800K disk drive.
$49.95 each retail; specify Word 3.0 or 4.0
Linguist's Software; PO Box 580; Edmonds, WA 98020; 206-775-1130 or 206-771-5911 (fax)

MacScripture (KJV)
Old and New Testament
Any Macintosh; external disk drive or hard disk drive; MacWrite, Microsoft Word or compatible word processor.
$39.95 retail U.S.; $70 retail non-U.S.; entire Bible (KJV)
$5 retail U.S.; $7 retail non-U.S.; Demo
Medina Software, Inc.; PO Box 521917; Longwood, FL 32752; 407-260-1676 or 407-260-1636 (fax)

The New Family Bible
Stories and people come alive in color paintings and audio dramatizations
Macintosh II or larger; 4 MB of RAM; 13-inch or larger color monitor; System 6.0.7 or later; CD-ROM drive.
$49.99 retail
Time Warner Interactive; 2210 W. Olive Ave.; Burbank, CA 91506; 818-955-9999, 800-482-3766 or 818-955-6499 (fax)

Online Bible
Bible study
Macintosh Plus or larger; hard disk drive; System 6.0 or later.
$10 to $40 retail; depending on translation
Online Bible Software; PO Box 168; Oakhurst, NJ 07755; 908-741-4298

Otzar Plus
A collection of Jewish wit and wisdom
Macintosh Plus or larger; hard disk drive; HyperCard.
$39.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

Scripture Bits
Bible reference and calendar
Any Macintosh; external disk drive or hard disk drive; MacWrite, Microsoft Word or compatible word processor.
$12.95 retail U.S.; $23 retail non-U.S.
$5 retail; evaluation diskette; $7 retail non-U.S.
Medina Software, Inc.; PO Box 521917; Longwood, FL 32752; 407-260-1676 or 407-260-1636 (fax)

Thompson Chain HyperBible 2.6
Computerized Bible study
Macintosh Plus or larger; 2 MB of RAM (4 MB for System 7); 13 to 17 MB of hard disk space; HyperCard (included); System 6.0.5 or later.
$149 retail
$5 retail; demo disk
Kirkbride Technology; 335 W. 9th St.; PO Box 606; Indianapolis, IN 46206; 317-633-1900, 800-428-4385 or 317-633-1444 (fax)

TLG Engine
Text search and retrieval
Macintosh Plus or larger; 2 MB of RAM; System 6.0.7 or later.
$99.95 retail
Linguist's Software; PO Box 580; Edmonds, WA 98020; 206-775-1130 or 206-771-5911 (fax)

VeZot HaTorah
Jewish knowledge
Macintosh Plus or larger; HyperCard.
$39.95 retail
Davka Corp.; 7074 N. Western Ave.; Chicago, IL 60645; 312-465-4070 or 312-262-9298 (fax)

Personal & Home/Other Software

1994 Guinness Multimedia Disc Of Records
The world's most extraordinary facts and feats come alive
Macintosh LC or larger; 68020 CPU, 16 MHz or faster; 2 MB of free RAM; 4 MB of free hard disk space; 256 color video; 12-inch or larger color monitor; System 6.07 or later; CD-ROM drive (150 KB/sec or higher transfer rate).
$49 retail
Grolier Electronic Publishing, Inc.; Sherman Turnpike; Danbury, CT 06816; 203-797-3530, 800-285-4534 or 203-797-3130 (fax)

5000 Quotes
Quotes from famous people
Macintosh Plus or larger.
$49 retail
Books-On-Disk; 311 Harvard St.; Brookline, MA 02146; 617-734-9700 or 617-734-3974 (fax)

7th Wonder
Essential tools and utilities
Macintosh Plus or larger; 4 MB of RAM; System 7.0 or later; CD-ROM drive.
$39.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

A Country Christmas
Stories, activities and carols
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; HyperCard 1.2 or later.
$34.95 retail
B&B Soundworks; PO Box 7828; San Jose, CA 95150; 408-241-7986

A Hard Day's Night
Beatles movie; uncut feature film in CD-ROM format
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 256-color monitor; System 6.0.7 or later; QuickTime-compatible CD-ROM drive.
$39.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

A Million Laughs
Comedy encyclopedia
Macintosh II or larger; 2.5 MB of RAM; 12-inch or larger color monitor; System 6.0.7 or later; speakers; headphones; CD-ROM drive.
$59.95 retail
Interactive Publishing Corp.; 300 Airport Executive Park; Spring Valley, NY 10977; 914-426-0400 or 914-426-2606

Alfred Sheinwold Presents Micro Bridge Companion
Comprehensive bridge system
Macintosh Plus or larger.
$59.95 retail
Lifestyle Software Group; 63 Orange St.; St. Augustine, FL 32084; 904-825-0220, 800-289-1157 or 904-825-0223 (fax)

AmericaAlive GUIDisc
Entertaining multimedia experience that provides a valuable resource for education or vacation and travel planning
Macintosh LC or larger; 4 MB of RAM; color monitor; System 6.0.7 or later; CD-ROM drive.
$49 retail
MediAlive; 766 San Aleso Ave.; Sunnyvale, CA 94086; 408-752-8500 or 408-752-8501 (fax)

AmericaAlive NavigaTour
Multimedia travel guidisc
Macintosh Classic or larger; 4 MB of RAM; System 6.0.7 or later.
$49 retail
MediAlive; 766 San Aleso Ave.; Sunnyvale, CA 94086; 408-752-8500 or 408-752-8501 (fax)

The Art Of Macworld
Macintosh-generated designs and illustrations
Macintosh LC or larger; 4 MB of RAM; 8-bit color or gray-scale monitor; System 7.0 or later; CD-ROM drive.
$39.95 retail
Sumeria, Inc.; 329 Bryant St., Ste. 3D; San Francisco, CA 94107; 415-904-0800, 800-478-6374 or 415-904-0888 (fax)

Astrology Source
Multimedia guide to astrology
Macintosh II or larger; 4 MB of free RAM; 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$59.95 retail
Multicom Publishing, Inc.; 1100 Olive Way, Ste. 1250; Seattle, WA 98101; 206-622-5530 or 206-622-4380 (fax)

■ **At Home**
Full-featured household manual
Macintosh Plus or larger; 3 MB of RAM (4 MB for System 7); System 6.0 or later; hard disk drive.
At Home instantly retrieves what every user needs to know about themselves, their family and their home. Now users can get fast answers to their typical household questions; anything from a daily planning schedule to those once in a blue moon searches for a policy number. At Home is full featured, yet easy to use so users don't have to be a computer wizard to benefit from it. At Home comes with more than a dozen information categories, such as personal information, bills, valuable, vehicles, insurance policies and more. Users will never forget a birthday, bill, thing-to-do or anything else. At Home is the perfect information center for the entire family and includes optional passwords to hide private details. A printed operations manual and an on-screen help system are included.
$49.95 retail
Seven Hills Software; 2310 Oxford Rd.; Tallahassee, FL 32304; 904-575-0566 or 904-575-2015 (fax)

The Athlete's Diary
Multisport training log
Macintosh Plus or larger.
$49.95 retail
Stevens Creek Software; 21346 Rumford Dr.; Cupertino, CA 95014; 408-725-0424

Balloon Stack
Step-by-step illustrated balloon sculpture
Macintosh Plus or larger; HyperCard; System 6.0.3 or later.
$35 retail
BugByte Inc.; 3650 SilverSide Rd.; Wilmington, DE 19810; 302-994-1502 or 800-284-9220

BBS In A Box Volume XI
Public domain, shareware and original works with BBS directories
Macintosh Plus or larger; 2 MB of RAM; System 6.0.8 or later; CD-ROM drive.
$119 retail
AMUG; 4131 N. 24th St., #A-120; Phoenix, AZ 85016; 602-553-8966 or 602-553-8771 (fax)

Best of Shareware Collection CD
Professional compilation of the best shareware and public domain from all categories
Any color Macintosh; CD-ROM drive.
$19.95 retail; bundle and distributor pricing available
Publishers Network, Inc.; PO Box 3190; Dept. MPR; Vista, CA 92085; 619-941-4100 or 619-941-0773 (fax)

Better Homes And Gardens Complete Guide To Gardening
Multimedia tool that helps users cultivate their garden
Macintosh II or larger; 4 MB of free RAM; 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$59.95 retail
Multicom Publishing, Inc.; 1100 Olive Way, Ste. 1250; Seattle, WA 98101; 206-622-5530 or 206-622-4380 (fax)

Biorhythm Chartbook
Plots and prints biorhythm cycles
Macintosh Plus or larger; 1 MB of available RAM; HyperCard 2.0.
$24.95 retail; a free demo version can be downloaded from America Online HyperCard Forum's Software library
Serendipity Software Co.; PO Box 332; Bodega, CA 94922; 707-876-9840 (phone/fax)

Bird Brain 2.0
Birding database
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.3 or later (System 6.0.7 or later recommended).
$125 retail
Ideaform Inc.; PO Box 1540; Fairfield, IA 52556; 515-472-7256

CD Fun House 9.0
Public domain shareware/freeware games
Macintosh Plus or larger; 1 MB of RAM; CD-ROM drive.
$25 retail
Wayzata Technology, Inc.; 2515 E. Hwy. 2; Grand Rapids, MN 55744; 218-326-0597, 800-735-7321 or 218-326-0598 (fax)

CD-Romance
Multimedia singles contract publication
Macintosh II or larger; 5 MB of RAM; 640 by 480 video (256 colors); System 7.0.1 or later; CD-ROM drive.
$49.95 retail
Romulus Productions, Inc.; 11711 N. Meridian St., Ste. 200; Carmel, IN 46032; 317-843-5535, 800-266-4557 or 317-843-5552 (fax)

CD7 — System 7 Super CD
System 7 extensions, control panels, desk accessories, utilities and more
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$149 retail
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■ CDG Public Domain
Public domain software
Any Macintosh.
Each of the Public Domain software disks contains fonts, HyperCard stacks, DAs and text files that are either shareware or freeware. Disk #1 contains: Stair Calculator Stack, Address Book DA, TODO!-ToDo list DA, Architect-font, Y/N/C-Single key dialog box control, Anonymity DA, New Area Codes DA, RoloDesk DA, Phone List DA, Tidy It Up!-Tidy the system folder and Text to Word Text. Disk #2 contains: Architectural Rules of Thumb, Mac Architectural Resources Stack, Bi-Plane, Architect-font, Form It, TODO! To-do list DA and PostScript Print Files for Word. Disk #3 contains: Collection Letters-How to get the stiffs to pay, Architectural HyperCard Textbook-Limited textbook on architecture, Cubist-Screen saver that's very architectural looking, Idle-Screen saver, MockPackage 4.3.4-Classicwrite, printer, terminal and chart DA package, Note Pad II-Pretty good note pad DA, Project Scheduler-Excel templates, Sort DA-Sorts paragraphs in WP files and Visual Time Manager-Excel templates.
$15 each disk retail
CDG Architects; 345 E. Toole Ave., Ste. 202; Tucson, AZ 85701; 602-629-9752 or 602-798-3341 (fax)

Cellar Master's Recordbook
Wine cellar inventory management
Macintosh Plus or larger; 2 MB of available RAM; HyperCard 2.0.
$49.95 retail; a free demo version can be downloaded from America Online HyperCard Forum's Software library
Serendipity Software Co.; PO Box 332; Bodega, CA 94922; 707-876-9840 (phone/fax)

■ The Christmas Organizer
Takes the hassle out of the holidays
Macintosh Plus or larger; FileMaker Pro runtime.
The Christmas Organizer is designed to take the hassle out of the Christmas Holidays by letting the computer make traditional Yuletide chores not only easier, but accomplished more efficiently. Created for both business and home use, the program provides not only a this-year's shopping list that also checks off out-of-town mailings, but records gifts sent last year to avoid embarrassing duplication. It includes Christmas card lists for both business and family, plus addresses, organizes gift list by category (immediate family, relatives, friends and out-of-town recipients) and offers a "before I forget" file and next year's holidays. There's a family "wish list" to guide shopping selections, plus sample letters to Santa for young children and sample thank-you notes to make post-Christmas correspondence easier.
$29 retail
Simplified; 642 E. Squirrel Tail Dr.; Tucson, AZ 85704; 602-797-2990 or 602-797-7865 (fax)

Color Room
Color-related programs and graphic files
Color Macintosh; 2 MB of RAM; System 6.0.5 or later; CD-ROM drive.
$39.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Computer Select For Macintosh
Answerware database of computer product and industry information from more than 150 industry publications
Macintosh Plus or larger; 2 MB of RAM; hard disk drive with 500K of free space; System 6.0.3 or later; CD-ROM drive.
$1,195 retail; network licenses available
Computer Library; 1 Park Ave., 5th Fl.; New York, NY 10016; 212-503-4400, 800-827-7889 or 212-503-3695 (fax)

The Couch Potato's Handbook
Classic films and made-for-TV movies
Macintosh Plus or larger; 1 MB of RAM; 800K disk drive; HyperCard 2.1 or ClarisWorks.
$25 retail
SanSoft; 892 E. Quail Pl.; Highlands Ranch, CO 80126; 303-947-6406

Design Your Own Railroad
Allows users to design, build and operate a model railroad
Macintosh Plus or larger; 1 MB of RAM; hard disk drive recommended.
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DiscMinder
Audio media library management tool
Macintosh Plus or larger; 1 MB of RAM; 800K disk drive; HyperCard 2.1 or ClarisWorks.
$20 retail
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Diskworld For The Macintosh
Monthly software collection
Macintosh Plus or larger; 1 MB of RAM; hard disk drive; System 6.0.5 or later.
$29.95 retail; three-month trial subscription
$89.95 retail; one-year subscription
Softdisk Publishing, Inc.; 606 Common St.; PO Box 30008; Shreveport, LA 71130; 318-221-8718 or 800-831-2694

Educorp CD Sampler
Information, sample images and multimedia demonstrations of CD-ROM titles
Any color-capable Macintosh; 5 MB of RAM (8 MB with System 7); 32-bit QuickDraw; 13-inch or larger color monitor; System 6.0.5 or later; CD-ROM drive.
$9.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Educorp Shareware CD-ROM 8.0
Virus-free public domain and shareware software
Macintosh Plus or larger; 4 MB of RAM; CD-ROM drive.
$149 retail
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Educorp Stacks CD-ROM 6.0
180 MB of stackware
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$39.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

Elite Mac Shareware
Shareware
Macintosh Plus or larger; CD-ROM drive.
$7.95 to $9.95 retail
Raymark Enterprises; PO Box 70443; Oakland, CA 94612; 510-839-1784, 800-227-7532 or 510-814-9807 (fax)

Events Day-By-Day
Database that provides access to the dates of birth and death of more than 3,000 famous people
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$35 retail
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Travel planning
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$26.95 retail
Imaginia Inc.; 33 Midway, #203; San Francisco, CA 94133; 415-788-6840 or 415-788-6043 (fax)

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Quarterly shareware magazine
Macintosh Plus or larger; HyperCard 2.1.
$15 retail; sample copy
$49.50 retail; four-issue subscription
J.R. Mooneyham and Associates; 135 Lincoln Ave.; Newport, TN 37821; 615-623-0854

From Alice To Ocean: Alone Across The Outback
Multimedia photojournalistic essay
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Color Macintosh; 4 MB of RAM; 13-inch color monitor; hard disk drive with 500K of free space; System 6.0.5 or later); CD-ROM drive.
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Calculates the winners of a golf tournament
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Astrology programs
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$249.50 each retail; Io Horoscope, Io Forecast or Io Relationship
$295 retail; Io Edition
$195 each retail; American Atlas or International Atlas
$295 retail; American and International Atlases
$129.50 retail; Star*Fonts I
$59.50 retail; Runes3
$39.50 each retail; Famous Charts I, II or III
$99 retail; Famous Charts I, II and III
Time Cycles Research; 27 Dimmock Rd.; Waterford, CT 06385; 203-444-6641 or 203-442-0625 (fax)

Ham Radio Station Logbook
Storage and retrieval of amateur radio contact information
Macintosh Plus or larger; 1 MB of RAM; 800K disk drive; HyperCard 2.1 or ClarisWorks.
$15 retail
SanSoft; 892 E. Quail Pl.; Highlands Ranch, CO 80126; 303-947-6406

Handwriting Analyst V4.0
Constructs personality profiles
Macintosh 512K or larger.
$79.95 retail
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Lottery combinations
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Take a trip back to the swinging sixties
Macintosh LC or larger; 5 MB of RAM; 5 MB of free hard disk space; 256-color graphics; double-speed CD-ROM drive.
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MPI Multimedia; 5525 W. 159th St.; Oak Forest, IL 60452; 708-535-1540, 800-777-2223 or 708-535-1541 (fax)

HyperBole, The Art Of Digital Storytelling
Interactive multimedia art, literature and entertainment magazine
Macintosh LC or larger; 4 MB of RAM; HyperCard 2.0.
$75 per year retail; four issues
HyperBole Studios; 2225 4th Ave., 2nd Fl.; Seattle, WA 98121; 206-441-8334

■ **HyperStacks CD-ROM**
Freeware and shareware
Macintosh Plus or larger; System 6.0 or later; CD-ROM drive.
HyperStacks CD-ROM is a collection of "stacks" to be run with Claris HyperCard player. These HyperStacks were downloaded from more than one dozen huge Macintosh archives around the world and assembled onto one CD-ROM. It contains the most current HyperCard stacks available on the Internet today. All files are uncompressed, virus checked and ready to run. HyperStacks CD-ROM also includes a well-written, organized interface to allow users to find the information they need quickly and easily. It contains many classical literary works converted into HyperBooks; games and game utilities; hundreds of educational stacks; tools to help organize finances and clip art; and references and tools to help users create their own HyperStacks.
$49.95 retail
Pacific HiTech, Inc.; 4530 Fortuna Way; Salt Lake City, UT 84124; 801-278-2042, 800-765-8369 or 801-278-2666 (fax)

Hypertext '87 Digest
Hypertext document
Macintosh 512KE or larger.
$10 retail
Eastgate Systems, Inc.; PO Box 1307; Cambridge, MA 02238; 617-924-9044, 800-562-1638 or 617-923-4575 (fax)

I Photograph To Remember, By Pedro Meyer
Photographer Pedro Meyer shares the events and emotions of his parents' last years together
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 8-bit (256 gray scale) video card; CD-ROM drive; System 6.0.5 or later; speakers or headphones recommended.
$39.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

Info-Mac CD-ROM
Freeware and shareware
Macintosh Plus or larger; System 6.0 or later; CD-ROM drive.
$49.95 retail
Pacific HiTech, Inc.; 4530 Fortuna Way; Salt Lake City, UT 84124; 801-278-2042, 800-765-8369 or 801-278-2666 (fax)

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Macintosh LC or larger; 14-inch monitor; 5 MB of RAM (8 MB recommended); CD-ROM drive.
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Let's Go: The Budget Guide To California & Hawaii 1993
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$24.95 retail
Compton's NewMedia, Inc.; 2320 Camino Vida Roble; Carlsbad, CA 92009; 619-929-2500 or 619-929-2511 (fax)

Let's Go: The Budget Guide To USA 1993
See the best of the USA on a budget
Macintosh LC or larger; 4 MB of RAM; color display; System 6.0.7 or later; CD-ROM drive.
$24.95 retail
Compton's NewMedia, Inc.; 2320 Camino Vida Roble; Carlsbad, CA 92009; 619-929-2500 or 619-929-2511 (fax)

LifeGuard
Computer safety software
Macintosh Plus or larger; hard disk drive; System 6.0.2 or later.
$59.95 retail
Visionary Software, Inc.; 1820 SW Vermont, Ste. A; Portland, OR 97219; 503-246-6200, 800-877-1832 or 503-452-1198 (fax)

Lifestyle's Golf Companion
Resource for avid golfers
Macintosh Plus or larger; hard disk drive.
$39.95 retail
Lifestyle Software Group; 63 Orange St.; St. Augustine, FL 32084; 904-825-0220, 800-289-1157 or 904-825-0223 (fax)

London
A guided tour around London
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$59 retail
Media Design Interactive; The Old Hop Kiln; 1 Long Garden Walk; Farnham, Surrey GU9 7HP U.K.; 011-44-252-737630 or 011-44-252-710948 (fax)

LottoLyzer
Statistical analysis for all "Pick 6" lotteries
Macintosh SE/30 or larger.
$39.95 retail
J.J. Lando; 1253 W. Kilarea Cir.; Mesa, AZ 85202; 602-820-1716

The Mac Shareware 500 Book/Disk Set, 2nd Edition
Shareware catalog, tips and tricks, guide to the best programs, trouble-shooting and more
Macintosh Plus or larger; hard disk drive.
$34.95 retail
Ventana Press; PO Box 2468; Chapel Hill, NC 27515; 919-942-0220, 800-743-5369 (orders only) or 919-942-1140 (fax)

MacAttractions — Southwest Edition
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Saturday Night Software; PO Box 28563; Santa Ana, CA 92799; 714-968-7718 (technical support), 714-963-4151 (orders) or 714-963-5169 (fax)

MacExclusives — Most Useful & Fun Mac Programs CD-ROM
Contains useful and fun programs for the Macintosh from talented programmers across the globe
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The Macintosh Bible CD-ROM
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Nearly 3 MB of shareware and freeware applications, utilities, fonts and games
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Macintosh Plus or larger; 1 MB of RAM; HyperCard 2.1 or later; CD-ROM drive.
The Macintosh Product Registry CD-ROM is a valuable sales and research tool that contains more than 7,200 product entries in the following categories: Business & Professional Software, Personal & Home Software, Hardware & Peripherals and Accessories. The World Of Macintosh Multimedia is a Macintosh-specific guide that can be used by multimedia enthusiasts in making their purchase decisions. It contains more than 1,800 multimedia products and peripherals, including content and CD-ROM titles and Newton MessagePad products. Each entry includes the product name, system requirements, description, pricing and company address and telephone/fax numbers. Product demos, screen shots and QuickTime movies are featured.
$59 retail
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Redgate Communications Corp.; 660 Beachland Blvd.; Vero Beach, FL 32963; 407-231-6904, 800-333-8760 or 407-231-7872 (fax)

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Any Macintosh.
$15 retail; six issues
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Graphics, productivity aids and a font
Any Macintosh.
$10 retail; postpaid on disk
MacPoint Publications; 1374 E. 57th St., #3; Chicago, IL 60637; 312-955-1954

Mactivity International
Monthly disks
Macintosh with 1 MB of RAM; 1.4 MB floppy disk drive; hard disk drive; HyperCard.
$149 U.S. retail; one-year subscription (French and Dutch versions available)
Mactivity International; 140 Wirtzfeld Valley; B-4761 Bullingen; Belgium; 32-80-647713 or 32-80-642285 (fax)

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CD-ROM-based version of Macworld magazine
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A goldmine of shareware
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$99 retail
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MovieMinder
Videocassette library management
Macintosh Plus or larger; 1 MB of RAM; 800K floppy disk drive; HyperCard 2.1.
$20 retail
SanSoft; 892 E. Quail Pl.; Highlands Ranch, CO 80126; 303-947-6406

Movies On TV And Videocassette
Ratings and reviews for movies on TV, cable and videocassette
Macintosh LC or larger; 4 MB of RAM; color display; System 6.0.7 or later; CD-ROM drive.
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Any Macintosh; database, spreadsheet or word processing program.
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Intelligent guide to more than 44,000 videos
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Multimedia Monitor Tenth Anniversary CD-ROM
History of multimedia
Macintosh Plus or larger; CD-ROM drive.
$195 retail
Multimedia Monitor; PO Box 26; Falls Church, VA 22207; 703-241-1799, 800-323-3472 or 703-532-0529 (fax)

National Parks Of America
Multimedia tour of America's national parks
Macintosh II or larger; 4 MB of free RAM; 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$59.95 retail
Multicom Publishing, Inc.; 1100 Olive Way, Ste. 1250; Seattle, WA 98101; 206-622-5530 or 206-622-4380 (fax)

NautilusCD
Multimedia CD-ROM-based information service
Macintosh LC or larger; 5 MB of RAM (8 MB recommended); 12-inch color monitor; System 7.0 or later; CD-ROM drive.
$9.95 per issue retail; 12 issues
$29.95 retail; Nautilus Mini-Subscription Kit (Introduction to Nautilus CD-ROM, plus the next two issues)
Metatec Corp./Nautilus; 7001 Discovery Blvd.; Dublin, OH 43017; 614-766-3182, 800-637-3472 or 614-761-4110 (fax)

NautilusCD BackPac
Multimedia CD-ROM-based information service
Macintosh Plus or larger; 2 MB of RAM (some multimedia presentations require 5 MB); System 6.0.5 or later; CD-ROM drive; 1200 or 2400 bps modem (optional).
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Quantum Gate: No One Dreams Here
Interactive movie
Macintosh with 68030, 68040 processor or PowerPC; 5 MB of RAM; hard disk drive with 5 MB of free space; 640 by 480 by 256-color display (thousands or millions of colors recommended); QuickTime 2.0 (included); System 7.0 or later.
$79.95 retail
HyperBole Studios; 2225 4th Ave., 2nd Fl.; Seattle, WA 98121; 206-441-8334

QuickTime: The CD
Digital films
Macintosh LC or larger; 4 MB of RAM; 8-bit color or gray-scale monitor; System 6.0.8 or later; CD-ROM drive.
$29.95 retail; QuickTime: The CD 1992
$49.95 retail; QuickTime: The CD 1993
$49.95 retail; QuickTime: The CD 1994
Sumeria, Inc.; 329 Bryant St., Ste. 3D; San Francisco, CA 94107; 415-904-0800, 800-478-6374 or 415-904-0888 (fax)

The Residents' Freak Show
Animated twilight zone freak show
Macintosh with 68030/25 MHz processor or larger; 5 MB of RAM; 13-inch color monitor; System 7.0 or later; CD-ROM drive (double speed recommended).

$69.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

Rodney's Wonder Window, By Rodney Alan Greenblat
Showcase of inventive computer art
Macintosh LC or larger; 4 MB of RAM; hard disk drive; 13-inch 256-color monitor; System 6.0.7 or later; QuickTime-compatible CD-ROM drive.
$39.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

Shareware Breakthrough For Macintosh
CD-ROM shareware
Macintosh Plus or larger; 4 MB of RAM; CD-ROM drive.
$12.95 retail; available through MEI/Micro Center (800-634-3478)
BeachWare; 5234 Via Valarta; San Diego, CA 92124; 619-492-9529

Shareware Games Collection CD
Professional compilation of the best shareware and public domain games from all categories
Any color Macintosh; CD-ROM drive.
$19.95 retail; bundle and distributor pricing available
Publishers Network, Inc.; PO Box 3190; Dept. MPR; Vista, CA 92085; 619-941-4100 or 619-941-0773 (fax)

■ **Short Attention Span Theater: Dating and Mating**
Comedy entertainment
Macintosh LC, II, Quadra, Centris, Performa or larger; 4 MB of RAM; System 7.0 or later; 13-inch or larger color monitor; CD-ROM drive with 150 KB/sec transfer rate.

Short Attention Span Theater: Dating and Mating is a comedy club in a box. More than 50 of today's hottest comedians and Comedy Central's rising stars are ready to perform at a click of the mouse. This compilation is the second in a series of three from Comedy Central and features comedy about dating and mating in the '90s. Users select topics in any sequence — The Pick-Up, Fights, Sex, Engagements, Exes, etc.; and take a hilarious look at the different stages of relationships — from the first date to divorce court. This CD-ROM exposes the myths, rituals and realities of one-night stands and dating in the '90s.
$39.99 retail
Time Warner Interactive; 2210 W. Olive Ave.; Burbank, CA 91506; 818-955-9999, 800-482-3766 or 818-955-6499 (fax)

Short Attention Span Theatre: It's All Relative
Comedy performances
Macintosh LC, II, Quadra, Centris, Performa or larger; 4 MB of RAM; 13-inch or larger color monitor; System 7.0 or later; CD-ROM drive.
$49.99 retail
Time Warner Interactive; 2210 W. Olive Ave.; Burbank, CA 91506; 818-955-9999, 800-482-3766 or 818-955-6499 (fax)

ShuBox Music Librarian II
Music classification, inventory, search and retrieval
Macintosh Plus or larger; hard disk drive; printer.
$25 retail; also shareware availability
A.H. Nussel Sr.; 260 NE 6th Blvd.; Williston, FL 32696

SoftwareDBase
FileMaker Pro database describing Macintosh software; more than 8,000 titles for the Macintosh
Macintosh Plus or larger (68030 CPU recommended); hard disk drive; FileMaker Pro.
$99.95 retail; SoftwareDBase plus two succes-sive issues
$24 retail; subsequent annual subscription rate (three issues yearly)
$5 retail; demo disk
Call for CD-ROM pricing, hard drive bundle and HyperCard availability
SoftwareDBase International; PO Box 9032; Portland, OR 97207; 503-281-6987

SportsLog
Keeps records about fitness training
Macintosh Plus or larger; 1 MB of RAM; 800K disk drive; HyperCard 2.1.
$10 retail
SanSoft; 892 E. Quail Pl.; Highlands Ranch, CO 80126; 303-947-6406

Stack Exchange
HyperCard program clearinghouse
Macintosh with 1 MB of RAM; 800K floppy disk drive; hard disk drive; HyperCard 2.0.2 or later.
$4 retail; catalog and sample disk
Heizer Software; PO Box 232019; Pleasant Hill, CA 94523; 510-943-7667, 800-888-7667 or 510-943-6882 (fax)

Supersonic — The Atlas Of Modern Military Aircraft
In-depth look at 100 of today's most popular military aircraft
Macintosh II or larger; 2.5 MB of RAM; 12-inch or larger color monitor; System 6.0.7 or later; speakers; headphones; CD-ROM drive.
$79.95 retail
Interactive Publishing Corp.; 300 Airport Executive Park; Spring Valley, NY 10977; 914-426-0400 or 914-426-2606

Take Five, By Dina Silver
Offers relaxation and stress relief to computer users
Macintosh LC or larger; 4 MB of RAM; 13-inch 256-color monitor; QuickTime-compatible CD-ROM drive; System 6.0.7 or later.
$49.95 retail
The Voyager Co.; 578 Broadway, Ste. 406; New York, NY 10012; 212-431-5199, 800-446-2001 or 212-431-5799 (fax)

Taster's Notebook
Records and retrieves wine tasting notes
Macintosh Plus or larger; 2 MB of available RAM; HyperCard 2.0.
$69.95 retail; a free demo version can be downloaded from America Online HyperCard Forum's Software library
Serendipity Software Co.; PO Box 332; Bodega, CA 94922; 707-876-9840 (phone/fax)

Team NFL Magazine
Official NFL interactive magazine
Macintosh with 4 MB of Ram; hard disk drive; System 6.0.7 or later (Macintosh LC with color requires System 7.0 or later); CD-ROM drive.
$29.95 retail
Optimum Resource, Inc.; 5 Hiltech Lane; Hilton Head Island, SC 29926; 800-327-1473 or 809-689-8008 (fax)

Train Engineer
Design layouts, add scenery and run trains from the engineer's viewpoint
Macintosh LC or larger; 1.7 MB of RAM; hard disk drive; System 6.0.7 or later.
$49.95 retail
Abracadata, Ltd.; PO Box 2440; Eugene, OR 97402; 503-342-3030, 800-451-4871 (sales) or 503-683-1925 (fax)

Vaporware
Contains new product proposals
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; HyperCard 2.1 or later.
$12 retail; Vaporware
$7 retail; password only (to convert Vaporware demo to complete version)
J.R. Mooneyham and Associates; 135 Lincoln Ave.; Newport, TN 37821; 615-623-0854

Visions — The Complete Astrology System
Generates astrological data, natal and daily horoscopes
Macintosh Plus or larger.
$39.95 retail
Lifestyle Software Group; 63 Orange St.; St. Augustine, FL 32084; 904-825-0220, 800-289-1157 or 904-825-0223 (fax)

Wines Of The World
Interactive guide to wine appreciation and vinification
Macintosh II or larger; 4 MB of free RAM; 13-inch color monitor; System 6.0.7 or later; CD-ROM drive.
$59.95 retail
Multicom Publishing, Inc.; 1100 Olive Way, Ste. 1250; Seattle, WA 98101; 206-622-5530 or 206-622-4380 (fax)

Wordsearch Creator
Instantly creates word search puzzles from a word list
Macintosh 512K or larger.
$59.95 retail
Lifestyle Software Group; 63 Orange St.; St. Augustine, FL 32084; 904-825-0220, 800-289-1157 or 904-825-0223 (fax)

Work Room
Business, religious and personal productivity software
Macintosh Plus or larger; 1 MB of RAM; System 6.0.5 or later; CD-ROM drive.
$49.95 retail
Educorp; 7434 Trade St.; San Diego, CA 92121; 619-536-9999, 800-843-9497 (orders) or 619-536-2345 (fax)

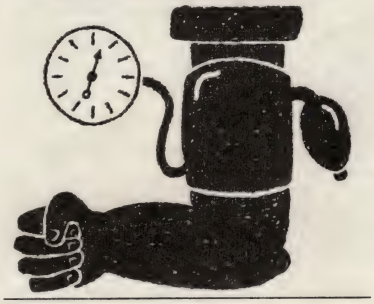
World Bird Brain 2.0
Contains all the birds of the world
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.3 or later (System 6.0.7 or later recommended).
$175 retail; specify Sibley & Monroe or Traditional version
$50 retail; upgrade from Bird Brain 2.0
Ideaform Inc.; PO Box 1540; Fairfield, IA 52556; 515-472-7256

World Tour Golf, Vol. 1 — Monterey Peninsula
Interactive magazine for golf enthusiasts
Macintosh LC or larger; 14-inch monitor; 5 MB of RAM (8 MB recommended); CD-ROM drive.
$44.95 retail
FeatherOut Inc.; 2600 Campus Dr., #150; San Mateo, CA 94403; 800-236-3623

You!
Helps users understand more about themselves
Macintosh Plus or larger.
$49.95 retail
Mastermind Software; 153 Lowell St.; Redwood City, CA 94062; 415-366-4114

Lower the numbers and raise the odds.

Controlling your blood pressure can reduce your risk of heart disease.



American Heart Association
WE'RE FIGHTING FOR YOUR LIFE

Accomplice
50 MHz 68030 accelerator
Macintosh IIsi; System 6.0.7 or later.
$429 retail
$529 retail; with FPU
Extreme Systems; 1050 Industry Dr.; Tukwila, WA 98188; 206-575-2334, 800-995-2334 or 206-575-3928 (fax)

Apex Math Coprocessor
Plug-in math coprocessor
Macintosh LC, LC II, LC III, Color Classic, IIvi or Duo Dock.
$69 to $199 retail
Second Wave, Inc.; 2525 Wallingwood Dr., #13; Austin, TX 78746; 512-329-9283 or 512-329-9299 (fax)

Artemis SCSI-2 Accelerator
Fast SCSI-2 accelerator NuBus/PDS card
Macintosh with available NuBus or PDS slot.
$795 to $895 retail
Seraph, Inc.; 11008 Greenbrier Rd.; Minneapolis, MN 55305; 612-525-5925, 800-721-7243 or 612-525-5926 (fax)

Brainstorm Accelerator
Bus accelerator upgrade
Macintosh Plus.
$249 retail
Brainstorm Products; 1145 Terra Bella Ave.; Mountain View, CA 94043; 415-964-2131

Brainstorm SE Accelerator
Adds a high-speed 68000 processor clocked at 16 MHz
Macintosh SE; System 6.0.4 or later.
$289 retail
Brainstorm Products; 1145 Terra Bella Ave.; Mountain View, CA 94043; 415-964-2131

Charger
Provides from 300 to 2,300 percent increases in functions within Adobe Photoshop, Fractal Painter and Adobe Premiere
Macintosh NuBus.
$579 retail; Charger
$749 retail; Charger Plus
$2,199 retail; Charger PFS
$799 retail; Charger QUIC
DayStar Digital, Inc.; 5556 Atlanta Hwy.; Flowery Branch, GA 30542; 404-967-2077, 800-962-2077 or 404-967-3018 (fax)

DigitalFilm Player
Play full-screen digital video on the Macintosh
Macintosh II or Quadra family.
$1,999 retail
SuperMac Technology; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100 or 800-541-7680 (fax-back information system)

DiiMOCache 128K Cache Cards
PDS cache card
Macintosh LC III, Performa 450, IIsi or IIci; System 6.0.5 or later.
$129 retail; IIci
$179 retail; IIsi
$239 retail; IIsi (with 20 MHz math coprocessor)
$159 retail; LC III, Performa 450
$239 retail; LC III, Performa 450 (with 25 MHz math coprocessor)
DiiMO Technologies, Inc.; 12201 Technology Blvd., Ste. 130; Austin, TX 78758; 512-335-0421, 800-503-4466 or 512-335-1429 fax)

DiiMOCache 50 MHz Accelerator
50 MHz 68030 accelerator
Macintosh SE/30, II, LC, LC II, Performa 400 or 600; System 6.0.5 or later.
$499 retail
$624 retail; with 50 MHz math coprocessor
$69 retail; adapters for II, IIx, IIcx, IIsi, SE/30
DiiMO Technologies, Inc.; 12201 Technology Blvd., Ste. 130; Austin, TX 78758; 512-335-0421, 800-503-4466 or 512-335-1429 fax)

FastCache Quadra
128K static RAM cache
Macintosh Centris 610 or Quadra family.
$199 retail; FastCache Quadra Universal 128K for Quadra 610, 650, 700, 800, 900, 950 and Centris 610
DayStar Digital, Inc.; 5556 Atlanta Hwy.; Flowery Branch, GA 30542; 404-967-2077, 800-962-2077 or 404-967-3018 (fax)

FPU Classic
Upgrades the Macintosh Classic II with a FPU
Macintosh Classic II.
Call for pricing
Applied Technologies; Niedstrasse 22; D-12159 Berlin; Germany; +49-30-8592958 or +49-30-8514615 (fax)

FPU LC V2.0
Upgrades the Macintosh LC with a FPU
Macintosh LC.
Call for pricing
Applied Technologies; Niedstrasse 22; D-12159 Berlin; Germany; +49-30-8592958 or +49-30-8514615 (fax)

FPU-882
FPU card
Macintosh Classic II; System 7.
$100 retail
Newer Technology; 7803 E. Osie, Ste. 105; Wichita, KS 67207; 316-685-4904, 800-678-3726 or 316-685-9368 (fax)

Hustler Serial Accelerator Board
Serial accelerator board
Macintosh with NuBus slot.
$299 introductory retail
Creative Solutions, Inc.; 4701 Randolph Rd., Ste. 12; Rockville, MD 20852; 301-984-0262, 800-367-8465 (orders) or 301-770-1675 (fax)

Image 040
Imaging accelerator; combines 40 MHz 68040 processor and 128K cache with a twin 64 MHz DSP graphics engine
Macintosh Centris or Quadra family, except Quadra 840AV.
$1,849 retail
DayStar Digital, Inc.; 5556 Atlanta Hwy.; Flowery Branch, GA 30542; 404-967-2077, 800-962-2077 or 404-967-3018 (fax)

ImagePro
Accelerator/video board
Macintosh 512KE or larger.
$369 to $1,347 retail
Novy Systems, Inc.; 107 E. Palm Way, #14; Edgewater, FL 32132; 904-427-2358, 800-553-2038 or 904-428-0765 (fax)

ImagePro II
50 MHz 68030 accelerator with a 24-bit video card
Macintosh LC, LC II, Color Classic, Performa 400/405.
$1,095 to $1,444 retail
Novy Systems, Inc.; 107 E. Palm Way, #14; Edgewater, FL 32132; 904-427-2358, 800-553-2038 or 904-428-0765 (fax)

Impact 030
68030 accelerator
Macintosh Color Classic, LC, LC II or Performa 400; System 6.0.7 or later.
$299 retail
$369 retail; with FPU
Extreme Systems; 1050 Industry Dr.; Tukwila, WA 98188; 206-575-2334, 800-995-2334 or 206-575-3928 (fax)

Impact RGB
32 MHz accelerator
Macintosh Color Classic, LC, LC II or Performa 400; System 6.0.7 or later.
$399 starting price retail
$469 starting price retail; with FPU
Extreme Systems; 1050 Industry Dr.; Tukwila, WA 98188; 206-575-2334, 800-995-2334 or 206-575-3928 (fax)

Index Gold MathMate
Math coprocessor
Macintosh Classic II, LC, LC II or IIsi.
Call for pricing
Memory Technologies, Texas Inc.; 3007 N. Lamar; Austin, TX 78705; 512-451-2600, 800-950-8411 (orders) or 512-451-3323 (fax)

Lightning Effects ME
Dual-DSP3210-equipped PDS slot board
Macintosh IIfx, Centris or Quadra.
$795 retail
Spectral Innovations, Inc.; 1885 Lundy Ave., Ste. 208; San Jose, CA 95131; 408-955-0366 or 408-955-0370 (fax)

■ **LogiCache 601: Level 2 Cache Card**
Cache card
Power Macintosh.
The LogiCache 601 is a 256K secondary or Level 2 cache card for the Power Macintosh. It offers significant performance increases over the cache built into the Power Macintosh processor, which is only 32K. LogiCache 601 features synchronous burst RAM; illustrated manual; three-year warranty; 30-day money-back guarantee; excellent technical support; and surface mount construction. The Power Macintosh 6100 with the LogiCache can outperform the stock Power Macintosh 7100.
Call for pricing
Emerging Technologies, Inc.; 8760 Research Blvd., Ste. 313; Austin, TX 78758; 512-836-2168, 800-880-0988 or 512-832-1533 (fax)

Maccelerator
Accelerator
Macintosh 512K or larger.
Call for pricing
Quesse Computer Co., Inc.; PO Box 922; Issaquah, WA 98027; 206-854-9714

MacDSP64KC
Signal processing cards
Macintosh II or larger; 1 MB of RAM.
$3,495 retail; with 64K SRAM
$4,995 retail; with 256K SRAM
$6,995 retail; with 2 MB SRAM (3 wait state)
$8,995 retail; with 2 MB SRAM
$12,995 retail; with 4 MB SRAM
Spectral Innovations, Inc.; 1885 Lundy Ave., Ste. 208; San Jose, CA 95131; 408-955-0366 or 408-955-0370 (fax)

MacDSPAPN
Floating point accelerator card
Macintosh II family.
$2,395 retail; 32 MFLOP with 64K SRAM
$3,495 retail; 32 MFLOP with 256K SRAM
$5,495 retail; 32 MFLOP with 1 MB SRAM
Spectral Innovations, Inc.; 1885 Lundy Ave., Ste. 208; San Jose, CA 95131; 408-955-0366 or 408-955-0370 (fax)

MacDSPII
Digital signal processing card
Macintosh II family, except IIsi.
$7,995 retail
Spectral Innovations, Inc.; 1885 Lundy Ave., Ste. 208; San Jose, CA 95131; 408-955-0366 or 408-955-0370 (fax)

MET Coprocessors
Accelerators
Macintosh LC, LC II, LC III, Classic II, IIsi or IIci.
$45 to $79 retail
Micro Electronic Technologies, Inc.; 35 South St.; Hopkinton, MA 01748; 508-435-9057, 800-766-7466 or 508-435-6481 (fax)

MicroMac MultiSpeed Accelerator
Expansion card
Macintosh Plus, Classic or SE; MicroMac Plus or MicroMac SE Upgrade System.
$299 to $398 retail
MicroMac Technology, Inc.; 27121 Aliso Creek Rd., Ste. 125; Aliso Viejo, CA 92656; 714-362-1000 or 714-362-5428 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

Mobius 030 Accelerator
Accelerator/video card
Macintosh SE.
$199 retail; 25 MHz accelerator/video
$249 retail; 33 MHz accelerator/video
Mobius Technologies, Inc.; 5835 Doyle St.; Emeryville, CA 94608; 510-654-0556, 800-523-7933 or 510-654-2834 (fax)

Mobius Speedster 040 Accelerator
68040-based accelerators
Macintosh SE/30 or larger.
$399 retail; Speedster 25i, cache extra
$499 retail; Speedster 25 FPU, cache extra
$599 retail; Speedster 33i, free 128K static RAM cache
$799 retail; Speedster 33 FPU, free 128K static RAM cache
$1,099 retail; Speedster 40 FPU, free 128K static RAM cache
$199 retail; 128K static RAM cache
$49 retail; Speedster Macintosh-specific adapters
Mobius Technologies, Inc.; 5835 Doyle St.; Emeryville, CA 94608; 510-654-0556, 800-523-7933 or 510-654-2834 (fax)

Mod1
Coprocessor card
Macintosh II or larger; Pac2 or Pac8.
$795 to $2,595 retail
Pacific Parallel Research, Inc.; 922 Grange Hall Rd.; Cardiff by the Sea, CA 92007; 619-436-1455 (phone/fax)

Neotech Image Compressor
Image compression and decompression
Macintosh II family.
$795 retail
Advent Computer Products, Inc.; 449 Santa Fe Dr., Ste. 213; Encinitas, CA 92024; 619-942-8456 or 619-942-0648 (fax)

NewLife Accelerator
68030 accelerator
Macintosh 512KE, Plus or SE; System 6.0.5 or later.
Call for pricing
NewLife Systems Corp.; 232 Bridge St.; Eganville, Ontario, Canada K0J 1T0; 613-628-1646, 800-663-6395 or 613-628-1650 (fax)

NewLife Classic
68030 accelerator
Macintosh Classic.
Call for pricing
NewLife Systems Corp.; 232 Bridge St.; Eganville, Ontario, Canada K0J 1T0; 613-628-1646, 800-663-6395 or 613-628-1650 (fax)

■ **NewLife Dual LC**
Memory accelerator
Macintosh LC, LC II or Performa 400 series.
The NewLife Dual LC memory accelerator allows a standard Macintosh LC to burst thru its 10 MB memory limit to a maximum of 64 MB. It comes complete with 33 MHz 030 and optional FPU. The Dual LC provides support for System 7's 32-bit addressing and Virtual Memory. As an added feature, the LC will sizzle with a performance boost of more than 250 percent over a standard LC. The Dual LC memory accelerator gives users memory expansion, speed and power for a fraction of the cost of a new system. With NewLife Dual LC, users now get the memory to process more things in less time, increasing productivity dramatically.
$329 U.S. retail
NewLife Systems Corp.; 232 Bridge St.; Eganville, Ontario, Canada K0J 1T0; 613-628-1646, 800-663-6395 or 613-628-1650 (fax)

NuMedia
DSP board that enhances the performance of several QuickTime functions
Macintosh II or Quadra family.
$1,195 retail
Spectral Innovations, Inc.; 1885 Lundy Ave., Ste. 208; San Jose, CA 95131; 408-955-0366 or 408-955-0370 (fax)

Pac2 Board
Coprocessor card
Macintosh II, Quadra, Centris or Performa with full-size NuBus; System 6.0 or later.
$595 retail
Pacific Parallel Research, Inc.; 922 Grange Hall Rd.; Cardiff by the Sea, CA 92007; 619-436-1455 (phone/fax)

Pac8 Board
Coprocessor card
Macintosh II, Quadra, Centris or Performa with full-size NuBus; System 6.0 or later.
$795 retail
Pacific Parallel Research, Inc.; 922 Grange Hall Rd.; Cardiff by the Sea, CA 92007; 619-436-1455 (phone/fax)

Performer Accelerators
Accelerator boards
Macintosh Classic, SE, LC, LC II or Performa 400 and 405.
$99 to $349 retail
Harris International, Ltd.; 400 Commerce Ct.; Vadnais Heights, MN 55127; 612-482-0570, 800-783-3726 or 612-482-0762 (fax)

PhotoBooster For Rocket And StageTwo Rocket
Daughterboard accelerators; provide fast 32-bit Photoshop acceleration and multiprocessing
Macintosh with available NuBus slot; 25, 33 or 40 MHz Rocket; Photoshop 2.5.1 or later.
$799 retail
Radius Inc.; 1710 Fortune Dr.; San Jose, CA 95131; 408-434-1010, 800-227-2795 or 408-434-6437 (fax)

PixelBurst
Coprocessor for RipExpress
Any Macintosh interfaced to a Monotype RipExpress.
$10,000 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

PowerBook 140 F/25 And PowerBook 160 F/33 Upgrades
PowerBook upgrades
Macintosh PowerBook 140 or 160.
$329 retail; PowerBook 140 F/25
$349 retail; PowerBook 160 F/33
Digital Eclipse Software, Inc.; 5515 Doyle St., Ste. 1; Emeryville, CA 94608; 510-547-6101, 800-289-3374 or 510-547-6104 (fax)

PowerBook 145 And PowerBook 160 FPU Upgrades
FPU upgrades
Macintosh PowerBook 145 or 160.
$339 retail
Digital Eclipse Software, Inc.; 5515 Doyle St., Ste. 1; Emeryville, CA 94608; 510-547-6101, 800-289-3374 or 510-547-6104 (fax)

PowerBook Speed
CPU/OSC upgrade
Macintosh PowerBook and Duo.
$499 retail; 33 MHz CPU upgrade with FPU
$199 retail; 33 MHz math coprocessor
$299 retail; oscillator upgrade to 33 MHz with FPU
$249 retail; oscillator upgrade to 40 MHz
Dynamic Engineering; 435 Park Dr.; Ben Lomond, CA 95005; 408-336-5531 or 408-336-3840 (fax)

PowerPro 601
PowerPC processor upgrade
Macintosh Centris 650 or Quadra family.
$2,399 retail; 80 MHz
$1,799 retail; 66 MHz
DayStar Digital, Inc.; 5556 Atlanta Hwy.; Flowery Branch, GA 30542; 404-967-2077, 800-962-2077 or 404-967-3018 (fax)

Presenter RISC
High-speed rendering of Presenter Professional images
Macintosh II family; 5 MB of RAM; hard disk drive; 32-bit QuickDraw; System 6.0.4 or later.
$2,000 retail
Visual Information Development, Inc.; 136 W. Olive Ave.; Monrovia, CA 91016; 818-358-3936 or 818-358-4766 (fax)

Quad 040
40 MHz 68040 accelerator
Macintosh Centris or Quadra family, except Quadra 840AV.
$1,149 retail
DayStar Digital, Inc.; 5556 Atlanta Hwy.; Flowery Branch, GA 30542; 404-967-2077, 800-962-2077 or 404-967-3018 (fax)

Quadra Cache
Slot-free cache solution
Macintosh Centris or Quadra.
$325 retail
Newer Technology; 7803 E. Osie, Ste. 105; Wichita, KS 67207; 316-685-4904, 800-678-3726 or 316-685-9368 (fax)

Quadra Overdrive
40 MHz/50 MHz CPU accelerator
Macintosh Centris 610/650 or Quadra 605/610/700/900.
$1,300 retail
Newer Technology; 7803 E. Osie, Ste. 105; Wichita, KS 67207; 316-685-4904, 800-678-3726 or 316-685-9368 (fax)

Quadra Overdrive+
CPU accelerator
Macintosh Quadra 610, 650, 700, 900, 950 or Centris 610.
$1,550 retail
Newer Technology; 7803 E. Osie, Ste. 105; Wichita, KS 67207; 316-685-4904, 800-678-3726 or 316-685-9368 (fax)

Quik30
High-performance upgrade
Macintosh 512KE, Plus, Classic or SE.
$269 to $488 retail
Novy Systems, Inc.; 107 E. Palm Way, #14; Edgewater, FL 32132; 904-427-2358, 800-553-2038 or 904-428-0765 (fax)

QuikMath
Math coprocessor
Macintosh Classic II, Color Classic, LC, LC III, IIvx or Duo Dock.
$59 to $89 retail
Novy Systems, Inc.; 107 E. Palm Way, #14; Edgewater, FL 32132; 904-427-2358, 800-553-2038 or 904-428-0765 (fax)

Radius PhotoBooster
PDS slot card, system software extension and Photoshop plug-in
Macintosh Centris 650 or Quadra 700/800/900/950; PDS slot; Photoshop 2.5.1 or later.
$999 retail
Radius Inc.; 1710 Fortune Dr.; San Jose, CA 95131; 408-434-1010, 800-227-2795 or 408-434-6437 (fax)

Radius Rocket
33 MHz 68040 accelerator
Macintosh II, Quadra or Centris 650.
$1,299 retail; Radius Rocket 33
$499 retail; Radius RocketShare
$299 retail; Radius SCSI-2 Booster
Radius Inc.; 1710 Fortune Dr.; San Jose, CA 95131; 408-434-1010, 800-227-2795 or 408-434-6437 (fax)

RasterOps PhotoPro
RISC-based accelerator
Macintosh II or Quadra family.
$999 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RenderEdge
RenderMan accelerator
Macintosh II or Quadra family.
$3,995 retail; with 8 MB DRAM
$4,875 retail; with 32 MB DRAM
StarTech; 26243 Shauna Way; Valley Center, CA 92082; 619-749-4383 or 619-749-0411 (fax)

How Do You Build The World's Fastest Digital Video Empire?

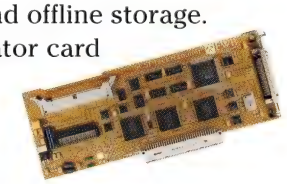
Marc Canter, creator of MacroMind Director and multimedia visionary, shown at work on MediaBand's first interactive music video, *Un Do Me*.

Apply The Hammer.℠

12.4MB/sec and 17.3MB/sec on the Quadra® 840AV. Are the industry's fastest sustained transfer rates the only reason multimedia visionary, Marc Canter, chose the new SledgeHammer™ II and SledgeHammer Wide arrays from FWB? No. Capacities of up to 17.4 gigabytes were important. And his other SledgeHammers got top marks from him, as they had from MacWEEK, MacUser and Macworld. But for his new MediaBand digital music video projects, the measure he applied first was RAID speed. That's why he applied the Hammer.®

But applying the Hammer means more for *anyone* with *any* Mac looking for a RAID solution. There are

- high speed optical and SyQuest® solutions for nearline and offline storage.
- the recently Eddy-nominated SCSI JackHammer™ accelerator card (for Best New Storage System) that can increase system performance up to 700%.
- the number one selling RAID ToolKit™ software.
- FWB's PremiumService™ warranty, and pricing that crunches the competition like SledgeHammers crunch data.



SledgeHammer2000 — MacUser Magazine 4½

SCSI JackHammer — MacUser Magazine MacUser Editors' Choice 1993 Finalist

SledgeHammer2000 — MacWorld Magazine MW ★★★★

So, whether you need RAID to help build your next digital video empire or your first desktop color publishing enterprise, here's what to do: Apply The Hammer. Call 415.474.8055 for the name of the reseller nearest you.

Accelerated for Power Macintosh

HAMMER

Superior SCSI Storage Solutions.

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FWB® incorporated

RenderServer
Dramatically accelerates StrataVision 3D and Strata StudioPro
Macintosh II or larger; 750K of free RAM; Ethernet card or built-in; MacTCP 1.1.1 (MacConnect); StrataVision 3D 2.6.1 or later; System 7.0 or later.
$2,900 retail
Torque Systems, Inc.; 825 Emerson St.; Palo Alto, CA 94301; 415-321-1200 or 415-321-1298 (fax)

SHA-100, 400, 450
SCSI-2 accelerator
Macintosh Centris 650, Quadra family.
$995 retail
Conley Corp.; 420 Lexington Ave., 10th Fl.; New York, NY 10017; 212-979-8824 or 212-741-9296 (fax)

SiliconExpress 3D
Differential FAST SCSI-2 accelerator
Macintosh II or larger.
$995 retail
ATTO Technology, Inc.; Audubon Technology Park; 40 Hazelwood, #106; Amherst, NY 14228; 716-691-1999 or 716-691-9353 (fax)

■ **SiliconExpress 4D**
Differential FAST/WIDE SCSI-2 accelerator
Macintosh Quadra or Power Macintosh.
The SiliconExpress 4D is a differential FAST/WIDE SCSI-2 accelerator card that transfers data at 20 MB/sec. SiliconExpress 4D extends the SCSI cable length to 25 meters (81 feet), far beyond the single-ended limitation of 6 meters. BusMaster Capabilities allow the SiliconExpress 4D to transfer data directly between the system's RAM and the SCSI bus without using the CPU by taking advantage of the parallel processing capability of the Macintosh NuBus. With its unique RISC-based SCSI processor, The SiliconExpress outperforms the built-in SCSI port by more than 1,400-percent. The SiliconExpress 4D is ideal for applications such as digital video, prepress and file servers that demand high SCSI data throughput with extremely low overhead. The SiliconExpress 4D easily installs into any Macintosh NuBus slot. It is System 7 Pro compatible.
$1,495 retail
ATTO Technology, Inc.; Audubon Technology Park; 40 Hazelwood, #106; Amherst, NY 14228; 716-691-1999 or 716-691-9353 (fax)

SiliconExpress II
SCSI-2 accelerator card
Macintosh II, Quadra or Power PC.
$795 retail
ATTO Technology, Inc.; Audubon Technology Park; 40 Hazelwood, #106; Amherst, NY 14228; 716-691-1999 or 716-691-9353 (fax)

SiliconExpress IV
FAST/WIDE SCSI-2 accelerator
Macintosh Quadra or Power PC.
$1,295 retail
ATTO Technology, Inc.; Audubon Technology Park; 40 Hazelwood, #106; Amherst, NY 14228; 716-691-1999 or 716-691-9353 (fax)

SmartStore
Real-time video storage, playback and digital signal processing
Macintosh II family; 4 MB of RAM.
$5,391 and up retail
Perceptics Corp.; 725 Pellissippi Pkwy.; Knoxville, TN 37932; 615-966-9200 or 615-966-9330 (fax)

StageTwo Rocket
40 MHz add-on card that provides true foreground/background multiprocessing capabilities
Macintosh with full-size NuBus slots; 8 MB of RAM; 15 MB of free hard disk space; Radius or third-party display; System 7.1 or later.
$1,999 retail
Radius Inc.; 1710 Fortune Dr.; San Jose, CA 95131; 408-434-1010, 800-227-2795 or 408-434-6437 (fax)

SuperServer-C
Transputer expansion chassis
Macintosh II or larger; Pacific Parallel Pac8 transputer boards.
$2,595 retail
Pacific Parallel Research, Inc.; 922 Grange Hall Rd.; Cardiff by the Sea, CA 92007; 619-436-1455 (phone/fax)

TechWorks Accelerator Cards
Accelerator cards
Macintosh LC or LC II; System 6.0.7 or later.
$876 retail; 68040 25 MHz for LC or LC II
$472 to $625 retail; 68030 25 MHz or 40 MHz for SE
$491 to $659 retail; 68030 25 MHz for Classic
TechWorks; 4030 Braker Ln. W, Ste. 350; Austin, TX 78759; 512-794-8533, 800-688-7466 or 512-794-8520 (fax)

■ **TechWorks LC III Cache Card**
Cache card
Macintosh LC III, LC 520, Performa 450, 466, 467, 550 or 560.
TechWorks LC III cache card contains 128K of fast static RAM that can increase the performance of a Macintosh up to 50 percent. The card plugs directly into an open PDS slot of a Macintosh. The cache card comes with control panel software that will allow users to turn the card on and off. Each Cache card is backed by the TechWorks guarantee of quality service: lifetime warranty; 24-hour replacement (no questions asked); unlimited toll-free technical support; Federal Express delivery; and a 30-day money-back guarantee.
Call for pricing
TechWorks; 4030 Braker Ln. W, Ste. 350; Austin, TX 78759; 512-794-8533, 800-688-7466 or 512-794-8520 (fax)

■ **TechWorks Power Macintosh Cache SIMM**
Cache SIMM
Power Macintosh 6100/60, 7100/66, 6100/60AV or 7100/66AV.
TechWorks 256K Power Mac Cache SIMM contains 256K of fast static RAM. No software is required for the cache to operate. The SIMM will give Power Macintosh users a performance boost of up to 30 percent. Each cache card is backed by the TechWorks guarantee of quality customer service: lifetime warranty; 24-hour replacement (no questions asked); unlimited toll-free technical support; Federal Express delivery; and a 30-day money-back guarantee.
Call for pricing
TechWorks; 4030 Braker Ln. W, Ste. 350; Austin, TX 78759; 512-794-8533, 800-688-7466 or 512-794-8520 (fax)

■ **TechWorks Universal Cache Cards**
Cache card
Macintosh LC 475, Performa 475/476, Centris 610/650, Quadra 605, 610, 700, 800, 900 or 950.
TechWorks Universal 040 Cache Card contains 128K of fast static RAM that increases the speed of a Macintosh up to 30 percent. The cache card comes with control panel software that will allow users to turn the card on and off. Each Cache card is backed by the TechWorks guarantee of quality customer service: lifetime warranty; 24-hour replacement (no questions asked); unlimited toll-free technical support; Federal Express delivery; and a 30-day money-back guarantee.
Call for pricing
TechWorks; 4030 Braker Ln. W, Ste. 350; Austin, TX 78759; 512-794-8533, 800-688-7466 or 512-794-8520 (fax)

TextPert High Speed RISC Board
Provides high-speed optical character recognition
Macintosh II family; 1 MB of RAM; System 6.0 or later.
Call for pricing
CTA, Inc.; 25 Science Park; New Haven, CT 06511; 203-786-5828, 800-252-1442 or 203-786-5833 (fax)

ThunderStorm
Fast acceleration for image processing; Adobe Photoshop; filters and functions
Macintosh II or larger, including Power Macintosh.
$499 retail; ThunderStorm for Adobe Photoshop
SuperMac Technology; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100 or 800-541-7680 (fax-back information system)

TokaMac 33
33 MHz 68040 accelerator board
Macintosh SE/30, II, IIci, IIsi, IIx or IIcx.
$1,199 retail; TokaMac 33
$1,299 retail; TokaMac 33c (includes 128K cache)
Fusion Data Systems; 8920 Business Park Dr., Ste. 350; Austin, TX 78759; 512-338-5326, 800-285-8313 or 512-338-1276 (fax)

TokaMac CI 25i, SX 25i, LC 25i
25 MHz 68LC040 accelerator boards
Macintosh SE/30 or larger.
$699 retail
Fusion Data Systems; 8920 Business Park Dr., Ste. 350; Austin, TX 78759; 512-338-5326, 800-285-8313 or 512-338-1276 (fax)

TokaMac CI, SX And LC I & II
25 MHz 68040 accelerator boards with FPU
Macintosh LC or larger.
$799 retail
Fusion Data Systems; 8920 Business Park Dr., Ste. 350; Austin, TX 78759; 512-338-5326, 800-285-8313 or 512-338-1276 (fax)

TokaMac ELC 25
25 MHz 68040 accelerator board
Macintosh LC or LC II.
$599 retail
Fusion Data Systems; 8920 Business Park Dr., Ste. 350; Austin, TX 78759; 512-338-5326, 800-285-8313 or 512-338-1276 (fax)

TokaMac II FX 33
33 MHz 68040 PDS and NuBus accelerator board
Macintosh IIfx.
$1,799 retail
Fusion Data Systems; 8920 Business Park Dr., Ste. 350; Austin, TX 78759; 512-338-5326, 800-285-8313 or 512-338-1276 (fax)

Turbo 040
68040 accelerator with optional 128K cache
Macintosh SE/30, II, IIx, IIcx, IIvi, IIvx, IIsi, IIci or Performa 600.
$899 to $1,149 retail; 25 MHz to 40 MHz with math chip and cache
$699 to $749 retail; 20 MHz to 33 MHz with cache
$199 retail; FastCache Turbo 128K
$119 retail; adapter required for SE/30, II, IIx, IIcx, IIsi
DayStar Digital, Inc.; 5556 Atlanta Hwy.; Flowery Branch, GA 30542; 404-967-2077, 800-962-2077 or 404-967-3018 (fax)

Twin
Coprocessor card
Macintosh II, Centris, Performa or Quadra; Pac2 or Pac8.
$1,495 (1 MB) to $1,975 (4 MB) retail
Pacific Parallel Research, Inc.; 922 Grange Hall Rd.; Cardiff by the Sea, CA 92007; 619-436-1455 (phone/fax)

Universal PowerCache
68030 processor upgrade
Macintosh Classic or larger.
$3929 to $499 retail; 33 or 50 MHz
$429 to $649 retail; 33 or 50 MHz with math chip
$649 to $729 retail; 33 or 50 MHz (Classic or SE)
$119 retail; adapter for Color Classic, SE/30, LC, LC II, LC III, LC 520, II, IIx, IIcx, IIsi, Performa 400, 405, 410, 430, 450 (no adapter needed for IIci, IIvi, IIvx or Performa 600)
DayStar Digital, Inc.; 5556 Atlanta Hwy.; Flowery Branch, GA 30542; 404-967-2077, 800-962-2077 or 404-967-3018 (fax)

Value 040
68040 accelerator
Macintosh LC, LC II or Performa 400, 405, 410, 430.
$949 retail; 33 MHz with math chip
$1,149 retail; 40 MHz with math chip
$749 retail; 33 MHz
$219 retail; Ethernet module
DayStar Digital, Inc.; 5556 Atlanta Hwy.; Flowery Branch, GA 30542; 404-967-2077, 800-962-2077 or 404-967-3018 (fax)

Vandal
Combination 68030 accelerator and monochrome video card
Macintosh SE; 4 MB of RAM; System 6.0.7 or later.
$499 retail; 50 MHz

These Products Available Through Bottom Line Distribution
1-800-347-1923

$349 retail; 33 MHz
Extreme Systems; 1050 Industry Dr.; Tukwila, WA 98188; 206-575-2334, 800-995-2334 or 206-575-3928 (fax)

Variable Speed Overdrive
Variable-speed CPU accelerator
Macintosh IIfx, IIsi or Quadra 700/900/950.
$249 retail
Newer Technology; 7803 E. Osie, Ste. 105; Wichita, KS 67207; 316-685-4904, 800-678-3726 or 316-685-9368 (fax)

YARC NuSprint
RISC coprocessor system
Macintosh II or Quadra family; hard disk drive.
$1,295 starting price retail; depends on board speed and memory size (OEM, educational and government discounts available)
YARC Systems Corp.; 975 Business Center Cir.; Newbury Park, CA 91320; 805-499-9444, 800-275-9272 or 805-499-4048 (fax)

YARC RenderMan
RISC-accelerated photorealistic rendering
Macintosh II, Quadra or Power Macintosh family; hard disk drive.
$2,495 starting price retail; depends on board speed and memory size (OEM, educational and government discounts available)
YARC Systems Corp.; 975 Business Center Cir.; Newbury Park, CA 91320; 805-499-9444, 800-275-9272 or 805-499-4048 (fax)

YARC Zuma
RISC coprocessor board
Macintosh II, Quadra or Power Macintosh family; hard disk drive.
$1,595 starting price retail; depends on board speed and memory size
OEM, educational and government discounts available
YARC Systems Corp.; 975 Business Center Cir.; Newbury Park, CA 91320; 805-499-9444, 800-275-9272 or 805-499-4048 (fax)

Hardware & Peripherals/ Cameras

Apple QuickTake 100
Digital camera
Macintosh II or larger.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Canon RC-360
Still video camera
Macintosh II.
$1,665 retail
Canon USA, Inc.; Visual Communication Systems Division; One Canon Plaza; Lake Success, NY 11042; 516-328-5960 or 516-328-5959 (fax)

Canon RC-360 NuBus Computer Imaging Kit
Imaging kit utilizing the RC-360 still video camera
Macintosh II or larger; 4 MB of RAM; 20 MB hard disk drive; System 6.0.7 or later.
$2,600 retail
Canon USA, Inc.; Visual Communication Systems Division; One Canon Plaza; Lake Success, NY 11042; 516-328-5960 or 516-328-5959 (fax)

Canon RC-570 NuBus Electronic Still Presentation Kit
Combines the RC-570 Still Video Camera with a NuBus digitizing card
Macintosh II.
$5,054 retail; RC-570 NuBus Electronic Still Presentation Kit
$4,688 retail; RC-570 NuBus Computer Imaging Kit
Canon USA, Inc.; Visual Communication Systems Division; One Canon Plaza; Lake Success, NY 11042; 516-328-5960 or 516-328-5959 (fax)

Canon RC-570 Still Video Camera Kit
Provides image capture, editing, playback and record capabilities
Macintosh II.
$3,956 retail
Canon USA, Inc.; Visual Communication Systems Division; One Canon Plaza; Lake Success, NY 11042; 516-328-5960 or 516-328-5959 (fax)

CCD TeleCamera
CCD video cameras
Any Macintosh.
$369 retail; B&W TeleCamera package
$389 retail; B&W Infra-red TeleCamera package
$449 retail; Color TeleCamera package
Howard Enterprises, Inc.; 545 Calle San Pablo; Camarillo, CA 93012; 805-383-7444 or 805-383-7442 (fax)

■ **CCM-PC5 Video Conference Camera**
Self-contained camera and microphone module
Macintosh Plus or larger.
CCM-PC5 is a self-contained camera that provides camcorder-quality, full-motion color video and outstanding audio via a built-in microphone. The camera uses Sony's 1/3-inch format, interline transfer, HyperHAD CCD sensor providing a resolution of 330 lines (510H by 492V pixels), with an enhanced signal-to-noise ratio of more than 46dB. It produces a composite NTSC video output and features automatic gain control and TTL automatic tracing white balance (ATW). CCM-PC5 features a built-in microphone on the camera face to clearly pick up a user's voice while minimizing reception of background noise, an LED indicator that alerts users when the camera is on and a manual sliding privacy shutter blanks video output when closed. The camera is compactly designed, measuring 2.3 by 4.7 by 3.9 inches, weighs 8.5 ounces and operates on 9 volt DC power.
Call for pricing
Sony Electronics Inc.; Computer Peripheral Products Co.; 3300 Zanker Rd.; San Jose, CA 95134; 408-432-0190, 800-352-7669 or 408-955-5169 (fax)

Dicomed Digital Camera
High-resolution 4 by 5 digital photography
Macintosh II or larger, including PowerBook.
$22,500 retail
Dicomed, Inc.; 12270 Nicollet Ave.; Burnsville, MN 55337; 612-895-3000, 800-888-7979 or 612-895-3258 (fax)

FlexCam
Integrated video camera and microphone that sits on the desktop
Macintosh II or larger; video capture card that accepts NTSC or PAL video.
$595 retail
$795 retail; FlexCam Pro
VideoLabs; 5270 W. 84th St.; Minneapolis, MN 55437; 612-897-1995 or 612-897-3597 (fax)

■ **FlexCam Scientific**
High-resolution color camera
Macintosh Plus or larger; video capture card.
VideoLabs' FlexCam Scientific is a desktop color camera designed for presenting scientific or other images quickly and easily. The product targets scientific, medical and instructional disciplines. FlexCam Scientific is compatible with most videoconferencing systems. It provides excellent facility for capturing and transmitting medical slides and images on videoconferencing systems for remote diagnosis. FlexCam Scientific's sharp, standard 8mm lens precisely images scientific or any 3-D objects for display on monitors or computers through frame grabbers. The lens may also be focused down to 1 inch, which effectively produces microscopic magnification of 50:1 when viewed on a 25-inch monitor.
$995 retail
$1,195 retail; FlexCam Scientific Pro
VideoLabs; 5270 W. 84th St.; Minneapolis, MN 55437; 612-897-1995 or 612-897-3597 (fax)

Kodak Professional DCS 200 Digital Camera
High-resolution digital image capture device
Macintosh II or Quadra family that supports 32-bit QuickDraw; Adobe Photoshop; System 6.0.5 or later.
$9,995 retail
Eastman Kodak Co.; Professional Imaging; 343 State St.; Rochester, NY 14650; 716-724-4000, 800-242-2424, ext. 77 or 716-724-9261 (fax to attn: Electronic Imaging)

■ **Kodak Professional DCS 420 Digital Camera**
High-resolution digital image capture device
Macintosh II or Quadra family that supports 32-bit QuickDraw; Adobe Photoshop; System 6.0.5 or later.
The Kodak Professional DCS 420 Digital Camera is a megapixel device with the following features: an advanced, full-frame CCD imager that delivers a total resolution of 1.5 million pixels; 36-bit color (12 bits per RGB color); the ability to store images on removable PCMCIA cards (both hard disk and memory cards); a high-power battery pack good for at least 1,000 images per charge, with a recharge time of approximately 1 hour; a built-in microphone for image annotation, allowing users to record sound clips before or after exposing an image; and a burst rate of five images in 2.25 seconds. Kodak software shipped with the camera enables Macintosh users to acquire image information from the camera's card reader directly to Adobe Photoshop. The DCS 420 line includes three models: DCS 420c (color), DCS 420m (black and white) and DCS 420IR (infrared). All three models ship with the camera itself, an AC adapter/charger, Mac and PC cables and driver software and manuals. Lenses and removable storage media are available separately.
$10,995 retail
Eastman Kodak Co.; Professional Imaging; 343 State St.; Rochester, NY 14650; 716-724-4000, 800-242-2424, ext. 77 or 716-724-9261 (fax to attn: Electronic Imaging)

Leaf Digital Camera Back
Filmless electronic back
Macintosh IIfx or Quadra; 64 MB of RAM; 24-bit video; large-screen monitor.
$35,500 retail
Leaf Systems; 250 Turnpike Rd.; Southboro, MA 01772; 508-460-8300, 508-460-8304 (fax)800-685-9462 (Scitex America Corp.)

Model 3 Digital Still Camera
Portable digital still camera
Macintosh with 8-bit gray-scale display; hard disk drive.
$895 retail
Dycam, Inc.; 9588 Topanga Canyon Blvd.; Chatsworth, CA 91311; 818-998-8008 or 818-998-7951 (fax)

Model 4 Digital Still Color Camera
24-bit portable digital color camera
Macintosh with 8-bit color display; hard disk drive.
$1,495 retail
Dycam, Inc.; 9588 Topanga Canyon Blvd.; Chatsworth, CA 91311; 818-998-8008 or 818-998-7951 (fax)

PTDCI
Digital camera interface
Macintosh with NuBus slots.
$4,395 and up retail
Perceptics Corp.; 725 Pellissippi Pkwy.; Knoxville, TN 37932; 615-966-9200 or 615-966-9330 (fax)

■ **Video Imaging Camera System From IMS**
Video capture
Macintosh II or larger.
This ready-to-use Camera System from IMS is optimized for low-cost, high-quality image input to computer graphic capture boards. The system features a 2/3-inch one chip 480 line, 48db color component video camera with power supply and Y/C, RGB breakout cable. The lens is a specially-selected 6x manual zoom with close-up adapter. Remote control is optional. Effective focal length is 12 to 150mm and Min Obj Dist is 20 inches, supporting a range of production light stands. IMS distributes video I/O equipment worldwide.
$1,995 retail
Image Management Systems, Inc.; 239 W. 15th St.; New York, NY 10011; 212-741-8765 or 212-243-2344 (fax)

VideoLabs DocuCam
Affordable document camera
Macintosh II or larger; video capture board.
$995 retail
$1,045 retail; with audio
$1,195 retail; DocuCam Pro
$1,245 retail; DocuCam Pro with audio
VideoLabs; 5270 W. 84th St.; Minneapolis, MN 55437; 612-897-1995 or 612-897-3597 (fax)

Hardware & Peripherals/ Computers

AI 90
Quadra 950 series industrial computer
$6,500 retail
Acuity Imaging, Inc.; 9 Townsend West; Nashua, NH 03063; 603-598-8400 or 603-598-4684 (fax)

Current Music Technology
Rack-mounted, ruggedized Macintosh products
$1,495 retail; Classic, Plus, SE, SE/30
$495 retail; IIcx, IIci, IIsi, LC
$1,495 retail; II, IIx, IIfx
Current Music Technology; 146 Paoli Pike; Malvern, PA 19355; 215-647-9426 or 215-644-9426 (fax)

CyberBook-Mac
3-D stereoscopic notebook computer
$4,250 retail
VRex, Inc.; 8 Skyline Dr.; Hawthorne, NY 10532; 914-345-8877 or 914-345-9558 (fax)

ImageBoss 3000
Presentation workstation
$39,995 retail
RGB Technology, Inc.; 11440 Isaac Newton Sq., Ste. 200; Reston, VA 22090; 703-834-1500 or 703-834-1506 (fax)

■ **Macintosh PowerBook 150**
Portable computer (68030 processor)
The PowerBook 150 combines the performance of a 33 MHz Motorola 68030 microprocessor with the convenience of a compact, lightweight notebook system. It offers all of the features that have made PowerBook systems so popular, including an integrated high-quality display, SCSI and serial ports and a modem port — all in a system that weighs only 5.5 pounds.
Call for pricing; PowerBook 150 4 MB Hard Disk 120
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

■ **Macintosh PowerBook 520**
Portable computers (68LC040 processor)
The PowerBook 520/520c features an advanced 50/25 MHz Motorola 68LC040 processor. It provides 16-bit, CD-quality stereo sound, and its full-page-width, backlit FSTN monochrome display offers high contrast and 16 levels of gray. (The PowerBook 520 can also support many external color displays.) The PowerBook 520c has a full-page-width, back-lit, dual-scan color display that offers high contrast and 256 colors. For moving large amounts of data, the PowerBook 520 comes with built-in support for high-speed Ethernet networking. It features the built-in Apple trackpad, which combines ease of use and reliability with extremely precise cursor control in a durable design with no moving parts. The new PowerBook Intelligent Batteries can provide as much as 3.5 hours of use each and can be recharged in less than 2 hours. The PowerBook 520 can be upgraded to PowerPC chip technology and offers the optional PCMCIA Expansion Module. It comes with the PowerBook Mobility Bundle, integrated software that lets users access network resources remotely, synchronize files, optimize battery power, work with Windows and DOS files and more.
Call for pricing; PowerBook 520 4 MB Hard Disk 160
Call for pricing; PowerBook 520c 4 MB Hard Disk 160
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

■ **Macintosh PowerBook 540**
Portable computers (68LC040 processor)
The PowerBook 540/540c features an advanced 66/33 MHz Motorola 68LC040 processor. It provides 16-bit, CD-quality stereo sound, and its full-page-width, backlit, active-matrix display offers high contrast and 64 levels of gray. (The PowerBook 540 can also support many external color displays.) The PowerBook 540c has a full-page-width, backlit, active-matrix color display that offers high contrast and lets users work with thousands of colors. For moving large amounts of data, the PowerBook 540 comes with built-in support for high-speed Ethernet networking. It features the built-in Apple trackpad, which combines ease of use and reliability with extremely precise cursor control in a durable design with no moving parts. The new PowerBook Intelligent Batteries can provide as much as three hours of use each and be recharged in less than two hours. The PowerBook 540 can be upgraded to PowerPC chip technology and offers the optional PCMCIA Expansion Module. It comes with the PowerBook Mobility Bundle, integrated software that lets users access network resources remotely, synchronize files, optimize battery power, work with Windows and DOS files and more.
Call for pricing; PowerBook 540 4 MB Hard Disk 240
Call for pricing; PowerBook 540 12 MB Hard Disk 240 with Global Village PowerPort/Mercury modem
Call for pricing; PowerBook 540c 4 MB Hard Disk 320
Call for pricing; PowerBook 540c 12 MB Hard Disk 320 with Global Village PowerPort/Mercury modem
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

■ **Macintosh PowerBook Duo 280**
Portable computer (68LC040 processor)
The PowerBook Duo 280/280c features an advanced 66/33 MHz 68LC040 processor. It comes with a large hard disk, and its RAM can be easily expanded to up to 40 MB. It is also upgradeable to PowerPC technology. The PowerBook Duo 280 includes an integrated full-page-width, backlit, active-matrix display that supports 16 levels of gray. The PowerBook Duo 280c includes an integrated full-page-width, backlit, active-matrix display that offers two modes — 640 by 480 pixels with 256 colors, and 640 by 400 pixels with up to thousands of colors. It uses batteries and software designed to provide exceptional energy efficiency and long life. With the PowerBook Duo 280, users can connect easily to a wide range of resources — no matter where they are. Its file transfer options include System 7 file sharing, SCSI disk mode and an external SuperDrive floppy disk drive. There is also a configuration with the internal Express Modem for taking advantage of the built-in Apple Remote Access software. And if users want to take advantage of the features of a desktop system, they can use a docking product, such as the PowerBook Duo Dock II or PowerBook MiniDock to connect to large displays, servers, printers and network services. The PowerBook Duo 280 even comes with the PowerBook Mobility Bundle, a combination of communications, power management, information management and file transfer software.
Call for pricing; PowerBook Duo 280 4 MB Hard Disk 240
Call for pricing; PowerBook Duo 280 12 MB Hard Disk 240 with Express Modem
Call for pricing; PowerBook Duo 280c 4 MB Hard Disk 320
Call for pricing; PowerBook Duo 280c 12 MB Hard Disk 320 with Express Modem
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Macintosh Quadra 605, 650
High-performance personal computers (68040)
Call for pricing; Macintosh Quadra 605 (512K VRAM) 4 MB Hard Disk 160 with Application Software
Call for pricing; Macintosh Quadra 605 (512K VRAM) 8 MB Hard Disk 250 with Application Software
Call for pricing; Macintosh Quadra 650 (512K VRAM) 8 MB Hard Disk 230
Call for pricing; Macintosh Quadra 650 8 MB Hard Disk 500 with CD-ROM
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Macintosh Quadra 660AV
68040 personal computer that combines state-of-the-art telecommunications, video and speech capabilities
Call for pricing; Macintosh Quadra 660AV 8 MB Hard Disk 500 with CD-ROM
Call for pricing; GeoPort Telecom Adapter
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Macintosh Quadra 950
High-performance personal computer (68040 processor)
Call for pricing; Quadra 950 8 MB CPU
Call for pricing; Quadra 950 8 MB Hard Disk 230 CPU
Call for pricing; Quadra 950 8 MB Hard Disk 500 CPU
Call for pricing; Quadra 950 16 MB Hard Disk 1000 CPU
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Macintosh TV
Combines television and stereo CD player in single, low-cost unit
Call for pricing; Macintosh TV 5/160, internal CD-ROM, 512K VRAM
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

MC400
Mobile computer
$995 retail
Psion Inc.; 555 Virginia Rd.; 5 Concord Farms; Concord, MA 01742; 508-371-0310, 800-628-7949 or 508-371-9611 (fax)

MicroMac Plus, SE And SE/30 Upgrade System
Macintosh repackaging
Macintosh Plus, SE or SE/30.
$699 retail; MicroMac Plus or SE Upgrade System
$998 retail; MicroMac Plus or SE Upgrade System (including MultiSpeed 25 MHz 68030 accelerator and 15-inch full-page display)
$299 to $1,799 retail; MicroMac SE/30 Upgrade System (price depends on screen configuration)
MicroMac Technology, Inc.; 27121 Aliso Creek Rd., Ste. 125; Aliso Viejo, CA 92656; 714-362-1000 or 714-362-5428 (fax)

Newton MessagePad 110 And Newton Message Pad 100
Hand-held, pen-based computer
Call for pricing; Newton MessagePad 110
Call for pricing; Newton MessagePad 100
Call for pricing: Newton Connection Kit 2.0
Call for pricing; Newton Connection Kit for Windows 1.0
Call for pricing; External Fax Modem
Call for pricing; PCMCIA Fax Modem
Call for pricing; 1 MB Storage Card, 2 MB Flash Title Promo, 4 MB Flash Storage Card
Call for pricing; Battery Charging Station (MessagePad 110 only)
Call for pricing; Rechargeable NiCad Battery Pack (MessagePad 110 only)
Call for pricing; Battery Recharger
Call for pricing; Rechargeable Battery Pack
Call for pricing; External Battery Booster Pack
Call for pricing; AC Power Adapter
Call for pricing; Print Pack (cable for connecting Newton to a parallel printer)
Call for pricing; Telescoping Pen (MessagePad 110 only)
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Power Macintosh
PowerPC microprocessor-based computers
Call for pricing; Power Macintosh 6100/60 8 MB Hard Disk 160 CPU
Call for pricing; Power Macintosh 6100/60 8 MB Hard Disk 250 CPU with CD-ROM
Call for pricing; Power Macintosh 6100/60 16 MB Hard Disk 250 CPU with SoftWindows
Call for pricing; Power Macintosh 6100/60AV (2 MB VRAM) 8 MB Hard Disk 250 CPU with CD-ROM
Call for pricing; Power Macintosh 7100/66 (1 MB VRAM) 8 MB Hard Disk 250 CPU
Call for pricing; Power Macintosh 7100/66 (1 MB VRAM) 8 MB Hard Disk 250 CPU with CD-ROM

These Products Available Through Bottom Line Distribution
1-800-347-1923

Call for pricing; Power Macintosh 7100/66 (1 MB VRAM) 16 MB Hard Disk 250 CPU with SoftWindows
Call for pricing; Power Macintosh 7100/66AV (2 MB VRAM) 8 MB Hard Disk 500 CPU with CD-ROM
Call for pricing; Power Macintosh 8100/80 8 MB Hard Disk 250 CPU
Call for pricing; Power Macintosh 8100/80 8 MB Hard Disk 250 CPU with CD-ROM
Call for pricing; Power Macintosh 8100/80 16 MB Hard Disk 500 CPU with SoftWindows
Call for pricing; Power Macintosh 8100/80AV 16 MB Hard Disk 500 CPU with CD-ROM
Call for pricing; Power Macintosh 8100/80 16 MB Hard Disk 1000 CPU with CD-ROM
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Psion Series 3
Pocket-sized computer
$495 retail
Psion Inc.; 555 Virginia Rd.; 5 Concord Farms; Concord, MA 01742; 508-371-0310, 800-628-7949 or 508-371-9611 (fax)

Rack II
Rack-mounted Mac II for studio, mobile vehicle and industrial use
$695 retail
Specialized Computer Systems; 4016 Quartz Dr.; Santa Rosa, CA 95405; 707-539-9003

WristMac
Allows users to carry vital data on their wrist
Macintosh Plus or larger.
$49 special; WristMac (red, green, yellow)
$109 special; Executive WristMac (black, gold, silver)
Ex Machina, Inc.; 11 E. 26th St., 16th Fl.; New York, NY 10010; 800-238-4738

Hardware & Peripherals/ Data Acquisition & Control

Access Environmental Monitoring System
Manages data collection and aids in the interpretation and significance of the data
Macintosh II or larger; System 6.0.5 or later.
$2,500 to $15,000 retail
PAX Analytics, Inc.; 227 W. Leyden Rd.; Colrain, MA 01340; 413-624-5557 (phone/fax)

AD142
Eight-channel, eight-bit analog to digital converter
Any Macintosh.
$179 retail
Alpha Products; 303 Linwood Ave.; Fairfield, CT 06430; 203-259-8813, 203-259-7713 or 203-254-0169 (fax)

■ **ADA4**
Universal data acquisition interface card
Any Macintosh with NuBus slot.
The ADA4 card is a data acquisition interface. It has a four-channel analog to digital converter, a four-channel digital to analog converter with 12-bit resolution and 24 digital input/output lines (parallel port). ADA4 exists in two versions: NuBus or PDS (coprocessor option). It comes with a disk containing libraries and examples for HyperCard, SuperCard, LabVIEW, 4D, Excel, Matlab, Simulink and Think Pascal and Think C. The ADA4 interface is delivered with a standard connection box "ADA XPod," which simplifies the connection with any measuring equipment. This XPod has the same connection points as those of the ADA4 card.
Call for pricing
MIPSYS; Ferme du Moulon; 91190 Gif sur Yvette, France; 33-1-60-19-07-03 or 33-1-60-19-00-20 (fax)

The ADC-1 Data Acquisition And Control System
RS-232 peripheral unit offering 16 analog input channels with 13-bit resolution and 38 control points
Macintosh Plus or larger.
$467 to $592 retail
Remote Measurement Systems, Inc.; 2633 Eastlake Ave. E, Ste. 200; Seattle, WA 98102; 206-328-2255 or 206-328-1787 (fax)

AIB-LC
Data acquisition and control
Macintosh LC family, Color Classic, Performa 400 and 500 series and Quadra 605; System 6.0.7 or later.
$240 retail
Sunset Laboratory; 2017 19th Ave.; Forest Grove, OR 97116; 503-357-5151 or 503-357-3168 (fax)

AMUX-64T
General-purpose analog multiplexer for use with an NB-MIO-16/16X plug-in board to increase the number of analog input channels
Macintosh LC, Power Macintosh or NuBus; plug-in data acquisition boards.
$695 to $740 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

AN-146
Bipolar 13-bit analog to digital converter
Any Macintosh.
$195 retail
Alpha Products; 303 Linwood Ave.; Fairfield, CT 06430; 203-259-8813, 203-259-7713 or 203-254-0169 (fax)

Analog Connection Series
Laboratory research and testing data acquisition hardware
Macintosh SE or II.
$1,190 retail; ACM2-12-8A (II)
$1,260 retail; ACM2-12-16 (II)
$1,790 retail; ACM2-16-8A (II)
$1,995 retail; ACM2-16-16 (II)
$995 retail; WorkBenchMac V3.1.0 (SE and II)
Strawberry Tree, Inc.; 160 S. Wolfe Rd.; Sunnyvale, CA 94086; 800-736-8810 or 408-736-1041 (fax)

CT150
Counter/timer
Any Macintosh.
$165 retail
Alpha Products; 303 Linwood Ave.; Fairfield, CT 06430; 203-259-8813, 203-259-7713 or 203-254-0169 (fax)

DA147
Four-channel digital to analog converter
Any Macintosh.
$189 retail
Alpha Products; 303 Linwood Ave.; Fairfield, CT 06430; 203-259-8813, 203-259-7713 or 203-254-0169 (fax)

DataBear V Measurer
Data acquisition tool
Macintosh Plus or larger.
$585 retail
$960 retail; Model L12 Hygrothermograph
$1,085 retail; Model L15 CO Exposure Measurer
Langan Products, Inc.; 2660 California St.; San Francisco, CA 94115; 415-567-8089 (phone/fax)

DG148
24-line TTL/IO
Any Macintosh.
$87 retail
Alpha Products; 303 Linwood Ave.; Fairfield, CT 06430; 203-259-8813, 203-259-7713 or 203-254-0169 (fax)

DSP Memory Expansion Boards
Digital signal processing memory expansion boards
Power Macintosh or NuBus.
$1,495 to $2,995 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

EnviroMac
Low-speed data acquisition and process control
Macintosh Plus or larger; 1 MB of RAM; RS-232 serial port.
$985 retail; domestic
$1,095 retail; international
World Precision Instruments; 175 Sarasota Center Blvd.; Sarasota, FL 34240; 813-371-1003 or 813-377-5428 (fax)

EnviroMac
Environmental measurements
Macintosh Plus or larger; 1 MB of RAM.
$899 retail
Remote Measurement Systems, Inc.; 2633 Eastlake Ave. E, Ste. 200; Seattle, WA 98102; 206-328-2255 or 206-328-1787 (fax)

FA154
Eight-channel, 12-bit fast analog to digital converter
Any Macintosh.
$249 retail
Alpha Products; 303 Linwood Ave.; Fairfield, CT 06430; 203-259-8813, 203-259-7713 or 203-254-0169 (fax)

FLY TDC
High-resolution time to digital converter
Macintosh II or larger, except IIsi; two NuBus slots.
Call for pricing
MIPSYS; Ferme du Moulon; 91190 Gif sur Yvette, France; 33-1-60-19-07-03 or 33-1-60-19-00-20 (fax)

GPIB-422CT/Mac
Full-function RS-422 to GPIB controller and NI-488.2 software
Any Macintosh.
$595 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

GPIB-SCSI/Mac-A
Full-function GPIB to SCSI controller and NI-488.2 software
Any Macintosh.
$995 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

GPIB-SE
IEEE 488 interface board and NI-488.2 software with Hyper488
Macintosh SE.
$495 retail; base card
$795 retail; with DMA option
$995 retail; with math coprocessor option
$1,295 retail; with both DMA and math coprocessor options
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

GPIB-SE/30
IEEE 488.2 interface board and NI-488.2 software with Hyper488
Macintosh SE/30.
$495 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

I/O Port System
I/O control interface
Macintosh Plus or larger, including Portable; System 6.0.5 or later.
$799 retail; Bridge (includes Master Control)
$549 retail; Extender
Ansan Industries, Ltd.; 4704 American Rd.; Rockford, IL 61109; 815-874-6881

I/O Port System Digital Extender II
Allows users to automate up to four 110V AC devices
Macintosh Plus or larger; 2.5 MB of RAM; 20 MB hard disk drive; HyperCard 2.X; I/O Port System Bridge; System 6.0.5 or later.
$669 retail

Ansan Industries, Ltd.; 4704 American Rd.; Rockford, IL 61109; 815-874-6881

I/O Port System X-10 Interface Adapter
Gives users the flexibility to control line-operated equipment even where hard wiring may be impractical
Macintosh Plus or larger; 2.5 MB of RAM; 20 MB hard disk drive; HyperCard 2.X; I/O Port System Bridge; System 6.0.5 or later.
$119 retail
Ansan Industries, Ltd.; 4704 American Rd.; Rockford, IL 61109; 815-874-6881

IDAC/1000
Data acquisition peripheral
Macintosh 512K or larger.
$995 retail
IDAC, Inc.; PO Box 397; Amherst, NH 03031; 603-673-0765 or 603-673-0767 (fax)

IN141
8 channel isolated digital input
Any Macintosh.
$81 retail
Alpha Products; 303 Linwood Ave.; Fairfield, CT 06430; 203-259-8813, 203-259-7713 or 203-254-0169 (fax)

Integrated Instrumentation Bundle
Hardware/software bundle targeting engineering and scientific users of DSP
Macintosh II family.
$2,395 retail
Spectral Innovations, Inc.; 1885 Lundy Ave., Ste. 208; San Jose, CA 95131; 408-955-0366 or 408-955-0370 (fax)

Lab-LC
Multifunction analog, digital and timing I/O board and NI-DAQ software
Macintosh LC or Performa family.
$695 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

Lab-NB
Low-cost multifunction analog, digital and timing I/O interface and NI-DAQ software
Power Macintosh or NuBus.
$695 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

Lab-SE
Low-cost multifunction analog, digital and timing I/O interface and NI-DAQ for Lab-SE software
Macintosh SE.
$595 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

LC-GPIB
IEEE 488.2 interface board and NI-488.2 software
Macintosh LC or Performa family.
$495 to $745 (with coprocessor) retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

LI157
Latched input board
Any Macintosh.
$99 retail
Alpha Products; 303 Linwood Ave.; Fairfield, CT 06430; 203-259-8813, 203-259-7713 or 203-254-0169 (fax)

Mac-56
Complete DSP56001 development system
Macintosh II; 1 MB of RAM; 3.5-inch floppy disk drive (hard disk drive recommended); one NuBus slot.
$2,995 retail
Ariel Corp.; 433 River Rd.; Highland Park, NJ 08904; 908-249-2900 or 908-249-2123 (fax)

Mac488B
IEEE 488 bus controller from serial port
Any Macintosh.
$595 retail
IOtech, Inc.; 25971 Cannon Rd.; Cleveland, OH 44146; 216-439-4091

MacAdios 488s And 488n
IEEE-488 interface
Macintosh Plus or larger.
$795 retail; MacAdios 488s
$595 retail; MacAdios 488n
GW Instruments; 35 Medford St.; Somerville, MA 02143; 617-625-4096 or 617-625-1322 (fax)

MacAdios GWI-FIFO
Buffer/controller daughterboard
Macintosh SE or II family; MacAdios II, II/16 or II SE expansion system.
$650 retail
GW Instruments; 35 Medford St.; Somerville, MA 02143; 617-625-4096 or 617-625-1322 (fax)

MacAdios II
Data acquisition and control board
Macintosh II family.
$1,190 retail
GW Instruments; 35 Medford St.; Somerville, MA 02143; 617-625-4096 or 617-625-1322 (fax)

MacAdios II Jr
Data acquisition board
Macintosh II family.
$690 retail
GW Instruments; 35 Medford St.; Somerville, MA 02143; 617-625-4096 or 617-625-1322 (fax)

MacAdios II/16
Analog and digital I/O board
Macintosh II family.
$1,590 retail
GW Instruments; 35 Medford St.; Somerville, MA 02143; 617-625-4096 or 617-625-1322 (fax)

MacAdios SCSI Family
SCSI peripherals that turn the Macintosh into a complete laboratory computer system
Macintosh Plus or larger.
$790 retail; MacAdios 8ain
$490 retail; MacAdios 8dio
$690 retail; MacAdios fg
$890 retail; MacAdios adio
GW Instruments; 35 Medford St.; Somerville, MA 02143; 617-625-4096 or 617-625-1322 (fax)

MacDSP MB/A
Digital signal processing card
Macintosh II family.
$3,495 retail
Spectral Innovations, Inc.; 1885 Lundy Ave., Ste. 208; San Jose, CA 95131; 408-955-0366 or 408-955-0370 (fax)

MacDSPNI
Signal processing board
Macintosh II family.
$2,895 retail; 24 MFLOP with 64K SRAM
$3,995 retail; 24 MFLOP with 256K SRAM
$5,995 retail; 24 MFLOP with 1 MB SRAM
Spectral Innovations, Inc.; 1885 Lundy Ave., Ste. 208; San Jose, CA 95131; 408-955-0366 or 408-955-0370 (fax)

MacII488
IEEE-488 board for Mac II
Macintosh II.
$495 retail
IOtech, Inc.; 25971 Cannon Rd.; Cleveland, OH 44146; 216-439-4091

MacLab
Data acquisition and analysis system
Macintosh Classic or larger; 4 MB of RAM.
$2,000 to $3,595 retail
ADInstruments Inc.; MacLab Division; PO Box 845; Milford, MA 01757; 800-234-1757 or 508-634-8869 (fax)

MacPacq Model MP100 V2.0
High-performance data acquisition system
Macintosh Classic or larger.
$2,995 retail; includes software
BIOPAC Systems, Inc.; 275 Orange Ave., Ste. E; Goleta, CA 93117; 805-967-6615 or 805-967-6043 (fax)

MacScope
Data acquisition software/hardware system
Macintosh Plus or larger; 1 MB of RAM.
$1,995 retail; Domestic
$2,494 retail; International
World Precision Instruments; 175 Sarasota Center Blvd.; Sarasota, FL 34240; 813-371-1003 or 813-377-5428 (fax)

MacSCSI488
Macintosh IEEE 488 controller from SCSI port
Macintosh Plus or larger.
$695 retail
IOtech, Inc.; 25971 Cannon Rd.; Cleveland, OH 44146; 216-439-4091

MacVEE
Interfaces Macintosh computers with NuBus directly to CAMAC or VMEbus racks
Macintosh with NuBus interface.
$1,400 retail; NuBus Card
$1,820 retail; VMEbus Master
$1,759 retail; Mac-CC Controller
Sparrow Corp.; PO Box 6102; Mississippi State, MS 39762; 601-324-0982 or 601-324-3231 (fax)

Mass Plotter
HyperCard stack that can be used with any Ohaus electronic balance with a data port
Macintosh Plus or larger; System 6.0 or later.
$39.95 retail; includes site license
Vernier Software; 2920 SW 89th Ave.; Portland, OR 97225; 503-297-5317 or 503-297-1760 (fax)

The Monitor
Industrial monitoring, trending and protection system
Macintosh Classic, IIci, Centris, Quadra or PowerBook.
Call for pricing; based on points required
Monico Computer, Inc.; PO Box 90189; Austin, TX 78709; 512-288-0195 (phone/fax)

MV 1000
Process control and data acquisition system
Macintosh Plus or larger; hard disk drive.
$4,000 retail
Moon Valley Circuits; 12350 Maple Glen Rd.; Glen Ellen, CA 95442; 707-996-4157

MX155
32-channel multiplexer
Any Macintosh.
$99 retail
Alpha Products; 303 Linwood Ave.; Fairfield, CT 06430; 203-259-8813, 203-259-7713 or 203-254-0169 (fax)

NB-A2000
High-speed analog input plug-in data acquisition board with sampling rates of 1 MHz and NI-DAQ software
Power Macintosh or NuBus.
$2,995 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NB-A2100
Dynamic signal acquisition A/D and D/A plug-in board and NI-DAQ software
Power Macintosh or NuBus.
$1,595 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NB-A2150
Dynamic signal acquisition plug-in board and NI-DAQ software
Power Macintosh or NuBus.
$1,995 retail

These Products Available Through Bottom Line Distribution
1-800-347-1923

National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NB-AO-6
NuBus analog output interface board with RTSI bus and DMA capability and NI-DAQ software
Power Macintosh or NuBus.
$895 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NB-DIO-24
NuBus 24-bit parallel digital I/O interface board and NI-DAQ software
Power Macintosh or NuBus (7-inch board).
$245 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NB-DIO-32F
NuBus high-speed 32-bit parallel digital I/O interface board with RTSI bus and DMA capability and NI-DAQ software
Power Macintosh or NuBus.
$595 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NB-DIO-96
Digital I/O board and NI-DAQ software
Power Macintosh or NuBus (7-inch board).
$355 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NB-DMA2800
Block-mode DMA, RTSI bus and IEEE 488.2 controller board with NI-488.2 and NI-DAQ software
Power Macintosh or NuBus.
$1,495 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NB-DSP2300
High-performance digital signal processing board with NI-DSP software
Power Macintosh or NuBus.
$3,995 retail; 64 kwords memory
$5,490 retail; with 320 kwords memory
$6,990 retail; with 1,088 kwords memory
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NB-DSP2301
Analysis accelerator and digital signal processing board with NI-DSP software
Power Macintosh or NuBus.
$2,995 retail; 64 kwords memory
$4,490 retail; 320 kwords memory
$5,990 retail; 1,088 kwords memory
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NB-DSP2305
High-performance DSP board and NI-DSP software
Power Macintosh or NuBus.
$4,995 retail; 64 kwords memory
$6,490 retail; 320 kwords memory
$7,990 retail; 1,088 kwords memory
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NB-GPIB-P/TNT
IEEE 488.2 interface
Power Macintosh or NuBus (7-inch board).
$495 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NB-GPIB/TNT
IEEE 488.2 interface
Power Macintosh or NuBus.
$495 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NB-MIO-16
NuBus multifunction analog, digital and timing I/O interface board with RTSI bus for DMA and NI-DAQ software
Power Macintosh or NuBus.
$1,195 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NB-MIO-16X
Extended resolution multifunction analog, digital and timing I/O interface with RTSI bus capability and NI-DAQ software
Power Macintosh or NuBus.
$1,695 to $1,895 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NB-TIO-10
Timing and digital I/O interface and NI-DAQ software
Power Macintosh or NuBus.
$495 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

nuControl And nuStep
Motion-control NuBus boards
Macintosh family.
$1,795 retail; nuControl
$1,795 retail; nuStep-CL
$1,595 retail; nuStep-OL
$395 retail; nSVI (nuStep Virtual Instrument Library)
$395 retail; nCVI (nuControl Virtual Instrument Library)
nuLogic Inc.; 475 Hillside Ave.; Needham, MA 02194; 617-444-7680 or 617-444-2803 (fax)

PCI-701C
NuCarrier multifunction I/O board
Macintosh II; System 6.0.3 or later.
$1,095 retail
Intelligent Instrumentation, Inc.; 6550 S. Bay Colony Dr., MS 130; Tucson, AZ 85706; 602-573-0887, 800-685-9911 or 602-573-0522 (fax)

Pearl Controller
Hardware serial interface device that connects the LEGO Interface Box to a Macintosh
Macintosh Plus or larger; LEGO Interface Box; HyperCard or Object Logo 2.6 (Object Logo 2.6 required for LEGO TC Logo emulation and object-oriented robotic control); System 6.0.7 or later.
$195 retail; Pearl Controller
$300 retail; Pearl Controller and Object Logo 2.6 bundle
Paradigm Software, Inc.; PO Box 2995; Cambridge, MA 02238; 617-576-7675 or 617-576-7680 (fax)

RE140
Relay card
Any Macintosh.
$179 retail
Alpha Products; 303 Linwood Ave.; Fairfield, CT 06430; 203-259-8813, 203-259-7713 or 203-254-0169 (fax)

RE156
Reed relay card
Any Macintosh.
$134 retail
Alpha Products; 303 Linwood Ave.; Fairfield, CT 06430; 203-259-8813, 203-259-7713 or 203-254-0169 (fax)

SC-205X Series
Cable adapter boards for signal conditioning
Power Macintosh or NuBus; plug-in data acquisition boards.
$135 to $375 each retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

SC-206X Series
Opto isolators and electromechanical relay for signal conditioning
Power Macintosh or NuBus; plug-in data acquisition boards.
$225 to $235 each retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

SC-207X Series
Low-cost, general-purpose breadboards
Power Macintosh or NuBus; plug-in data acquisition boards.
$285 to $365 retail; with 0.5m cable
$295 to $375 retail; with 1m cable
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

SC149
Smart stepper controller
Any Macintosh.
$335 retail
Alpha Products; 303 Linwood Ave.; Fairfield, CT 06430; 203-259-8813, 203-259-7713 or 203-254-0169 (fax)

SCXI
Signal conditioning extensions for instrumentation
Power Macintosh or Macintosh LC or NuBus; plug-in data acquisition boards.
$695 and up retail; per module
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

Serial Box Interface
Allows a variety of sensors and probes to be connected to the Macintosh
Macintosh Plus or larger; System 6.0 or later.
$99 retail; battery holder sold separately
Vernier Software; 2920 SW 89th Ave.; Portland, OR 97225; 503-297-5317 or 503-297-1760 (fax)

SIAD1C-01
Single-channel 16-bit analog I/O
Macintosh II or larger; 1 MB of RAM.
$495 retail
Spectral Innovations, Inc.; 1885 Lundy Ave., Ste. 208; San Jose, CA 95131; 408-955-0366 or 408-955-0370 (fax)

SIAD1M-01
1 MHz, 12-bit data acquisition card
Macintosh II or larger; 1 MB of RAM.
$1,595 retail
Spectral Innovations, Inc.; 1885 Lundy Ave., Ste. 208; San Jose, CA 95131; 408-955-0366 or 408-955-0370 (fax)

SIAD2C-01
Dual-channel 16-bit analog I/O card
Macintosh II or larger; 1 MB of RAM.
$695 retail
Spectral Innovations, Inc.; 1885 Lundy Ave., Ste. 208; San Jose, CA 95131; 408-955-0366 or 408-955-0370 (fax)

SIAD8C-01
Eight-channel 16-bit analog I/O
Macintosh II or larger; 1 MB of RAM.
$595 retail
Spectral Innovations, Inc.; 1885 Lundy Ave., Ste. 208; San Jose, CA 95131; 408-955-0366 or 408-955-0370 (fax)

SoundScope/8 And SoundScope/16
Speech/sound analysis
Macintosh Plus or larger (Macintosh IIsi requires NuBus adapter card); 2 MB of RAM; hard disk drive.
$1,490 retail; SoundScope/8 (Macintosh Plus or larger)
$4,990 retail; SoundScope/16 (Macintosh II)

GW Instruments; 35 Medford St.; Somerville, MA 02143; 617-625-4096 or 617-625-1322 (fax)

SP127/Hyperboard
Data acquisition and process control board that gives HyperCard the capability to monitor and control a user's home, office and laboratory
Any Macintosh.
$199 retail
Alpha Products; 303 Linwood Ave.; Fairfield, CT 06430; 203-259-8813, 203-259-7713 or 203-254-0169 (fax)

Spectrophotometer Program
Collects, displays and graphs data from a Spectronic 20D or 20
Macintosh Plus or larger; System 6.0 or later.
$39.95 retail; includes site license
Vernier Software; 2920 SW 89th Ave.; Portland, OR 97225; 503-297-5317 or 503-297-1760 (fax)

ST143
General purpose output
Any Macintosh.
$99 retail
Alpha Products; 303 Linwood Ave.; Fairfield, CT 06430; 203-259-8813, 203-259-7713 or 203-254-0169 (fax)

TE158
Telephone control card
Any Macintosh.
$265 retail
Alpha Products; 303 Linwood Ave.; Fairfield, CT 06430; 203-259-8813, 203-259-7713 or 203-254-0169 (fax)

Universal Lab Interface
Allows a wide variety of sensors and probes to be connected to the Macintosh
Macintosh Plus or larger; System 6.0 or later.
$350 retail
Vernier Software; 2920 SW 89th Ave.; Portland, OR 97225; 503-297-5317 or 503-297-1760 (fax)

VME-NB2040
High-speed connection between a Macintosh and the VMEbus, includes NI-VXI software
Power Macintosh or NuBus.
$3,000 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

VXI-NB2040
High-speed connection between a Macintosh and the VXIbus instrument-on-a-card standard, includes NI-VXI software
Power Macintosh or NuBus.
$4,000 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

Weather And ShortWave Radio Facsimile
NuBus card and software
Macintosh II; System 6.0.2 or later.
$1,499 retail
Critical Path Design Sciences; PO Box 43; Oceanside, CA 92049; 619-439-4564

■ **XSP 2**
Multifunction development card
Any Macintosh with NuBus slot.
XSP2 is a DSP 56001 processor-based board. It is a versatile multifunction development card with expansion slots (data acquisition, memory expansion, video input, etc.). It has been designed for a wide range of application developments: data compression, mathematical and scientific calculations, imaging and more.
$1,415 U.S. retail
MIPSYS; Ferme du Moulon; 91190 Gif sur Yvette, France; 33-1-60-19-07-03 or 33-1-60-19-00-20 (fax)

XT159
X-10 interface board
Any Macintosh.
$129 retail
Alpha Products; 303 Linwood Ave.; Fairfield, CT 06430; 203-259-8813, 203-259-7713 or 203-254-0169 (fax)

■ **µCount 50**
Counter/timer board
Any Macintosh with NuBus slot.
µCount 50 is a counter/timer board. It provides four 24-bit counters (50 MHz), three 16-bit timers, six digital input/output lines and a four-channel digital to analog converter with 12-bit resolution. It can be useful in any application of time measurement and events counting.
$1,250 U.S. retail
MIPSYS; Ferme du Moulon; 91190 Gif sur Yvette, France; 33-1-60-19-07-03 or 33-1-60-19-00-20 (fax)

Hardware & Peripherals/ Digitizers & Frame Grabbers

AG-5
Gray-scale frame grabber
Any Macintosh with full-sized NuBus slot.
$2,495 retail
Scion Corp.; 152 W. Patrick St.; Frederick, MD 21701; 301-695-7870 or 301-695-0035 (fax)

Canon FV-540
Integrates still video into desktop applications
Macintosh SE/30 or II family; 4 MB of RAM; hard disk drive; 32-bit QuickDraw; System 6.0.5 or later.
$2,620 retail
$150 retail; Professional FV software
Canon USA, Inc.; Visual Communication Systems Division; One Canon Plaza; Lake Success, NY 11042; 516-328-5960 or 516-328-5959 (fax)

CDPC XL MAC And Pro AudioSpectrum 16 MAC
Add enhanced multimedia capabilities to Macintosh computers
Macintosh LC, II or Quadra.
$1,495 retail; CDPC XL MAC (LC version)
$1,595 retail; CDPC XL MAC (NuBus version)
$395 retail; Pro AudioSpectrum 16 MAC (LC version)
$495 retail; Pro AudioSpectrum 16 MAC (NuBus version)
Media Vision Inc.; 47300 Bayside Pkwy.; Fremont, CA 94538; 510-770-8600, 800-348-7116 or 510-770-8648 (fax)

ColorSnap 32+
Video image capture board
Macintosh II.
$699 retail
$119 retail; FastCompress option
Computer Friends, Inc.; 14250 NW Science Park Dr.; Portland, OR 97229; 503-626-2291 or 503-643-5379 (fax)

ComputerEyes
Video digitizer
Macintosh 512KE or larger; 1 MB of RAM; 3.5-inch disk drive.
$249.95 retail
Digital Vision, Inc.; 270 Bridge St.; Dedham, MA 02026; 617-329-5400, 800-346-0090 or 617-329-6286 (fax)

ComputerEyes/Pro
24-bit video digitizer
Macintosh II or Quadra.
$199.95 retail
Digital Vision, Inc.; 270 Bridge St.; Dedham, MA 02026; 617-329-5400, 800-346-0090 or 617-329-6286 (fax)

ComputerEyes/RT
24-bit color frame grabber
Macintosh SE/30 or larger; 2 MB of RAM; System 6.0.7 or later.
$599.95 retail
Digital Vision, Inc.; 270 Bridge St.; Dedham, MA 02026; 617-329-5400, 800-346-0090 or 617-329-6286 (fax)

Digital Magic
Disk recorder system
Macintosh with two full-sized NuBus slots (Macintosh Quadra recommended); Intelligent Resources' Video Explorer; one SCSI-2 drive.
$7,995 retail
Advanced Digital Imaging; Attn: Larry Taylor; 1250 N. Lakeview, Unit O; Anaheim, CA 92807; 714-779-7772 or 714-779-7773 (fax)

DigitalFilm
Provides full-screen video capture to hard disk, plus output to videotape at 30 frames per second
Macintosh II or Quadra family.
$3,799 retail
SuperMac Technology; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100 or 800-541-7680 (fax-back information system)

DVA-4000/Macintosh
Digital video card and supporting multimedia development software
Macintosh II family; System 6.0.3 or later.
$1,495 retail
VideoLogic, Inc.; 245 First St.; Cambridge, MA 02142; 617-494-0530 or 617-494-0534 (fax)

DVA-4000/Macintosh 24-Bit
Digital video card and supporting multimedia development software
Macintosh II or Quadra.
$2,195 retail
VideoLogic, Inc.; 245 First St.; Cambridge, MA 02142; 617-494-0530 or 617-494-0534 (fax)

EyeQ Authoring Solution
Allows users to capture, compress and display (decompress) video and audio in real time
Macintosh with two NuBus slots; 8 MB of RAM; 200 MB hard disk drive; Apple 13- or 14-inch or any 640 by 480 multisync display; System 7.0 or later.
$4,495 retail
New Video Corp.; 1526 Cloverfield Blvd.; Santa Monica, CA 90404; 310-449-7000 or 310-449-0132 (fax)

EyeQ AV
Compression board
Macintosh Quadra 660AV or 840AV; 8 MB of RAM; 200 MB hard disk drive; up to 16-inch Apple or compatible display (832 by 634 resolution); System 7.1 or later; Apple 660AV NuBus adapter.
$1,895 retail
New Video Corp.; 1526 Cloverfield Blvd.; Santa Monica, CA 90404; 310-449-7000 or 310-449-0132 (fax)

EyeQ Playback Solution
Video processing display board
Macintosh with two NuBus slots; 8 MB of RAM; 200 MB hard disk drive; Apple 13- or 14-inch or any 640 by 480 multisync display; System 7.0 or later.
$2,495 retail
New Video Corp.; 1526 Cloverfield Blvd.; Santa Monica, CA 90404; 310-449-7000 or 310-449-0132 (fax)

Falcon
Video capture card
Macintosh II or larger; full-size or 7-inch NuBus; 4 MB of RAM.
£695 retail
Neutral Ltd.; 633 High Rd.; Seven Kings, Ilford; Essex, England 1G3 8RA; 44-81-599-9902 or 44-81-590-6365 (fax)

GraphicMaster II
Digitizing tablet
Macintosh Plus or larger.
$595 to $795 retail
Numonics Corp.; 101 Commerce Dr.; Montgomeryville, PA 18936; 215-362-2766, 800-247-4517 or 215-361-0167 (fax)

Kingfisher
Video capture card
Macintosh II or larger; 4 MB of RAM.
£995 retail

These Products Available Through Bottom Line Distribution
1-800-347-1923

Neutral Ltd.; 633 High Rd.; Seven Kings, Ilford; Essex, England 1G3 8RA; 44-81-599-9902 or 44-81-590-6365 (fax)

Kurta XGT
Graphics digitizing tablet
Macintosh Plus or larger; System 6.0 or later.
$545 retail; 12 by 12 inch
$300 retail; cordless pressure pen
$100 retail; four-button cordless or corded cursors
$50 retail; interface kit
Kurta Corp.; 3007 E. Chambers St.; Phoenix, AZ 85040; 602-276-5533 or 602-276-7823 (fax)

Kurta XLC/ADB
Intelligent graphics tablets
Macintosh SE or II.
$1,550 to $4,050 retail; includes choice of two-switch advanced estimator pen or 16-key cursor with large window crosshair
Kurta Corp.; 3007 E. Chambers St.; Phoenix, AZ 85040; 602-276-5533 or 602-276-7823 (fax)

LG-3
Gray-scale frame grabber
Any Macintosh with full-sized NuBus slot.
$895 retail
Scion Corp.; 152 W. Patrick St.; Frederick, MD 21701; 301-695-7870 or 301-695-0035 (fax)

MacRecorder Sound System Pro
Digital sound recorder hardware and SoundEdit Pro software
Macintosh LC or larger; 2 MB of RAM (4 MB with System 7); hard disk drive; System 6.0.7 or later.
$349 retail; MacRecorder Sound System Pro
$295 retail; SoundEdit Pro (software only)
Macromedia; 600 Townsend St.; San Francisco, CA 94103; 415-252-2000 or 415-626-0554 (fax)

MacVision Color Video Digitizer V4.1
Video digitizer; 24-bit color; 640 by 480 pixel resolution
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; 32-bit QuickDraw; System 6.0.4 or later; NTSC video source (composite or S-Video: video camera, VCR, still camera or laserdisc player).
$599 retail
Koala Acquisitions, Inc.; PO Box 1924; Morgan Hill, CA 95038; 408-776-8181 or 408-776-8187 (fax)

MacVision Video Digitizer 4.1
Video digitizer; 256 shades of gray; 640 by 480 pixel resolution
Macintosh Plus or larger (through Quadra 950); 2 MB of RAM; System 6.0.4 or later; NTSC video source (composite only: video camera, VCR, still camera or laserdisc player).
$199 retail
Koala Acquisitions, Inc.; PO Box 1924; Morgan Hill, CA 95038; 408-776-8181 or 408-776-8187 (fax)

Media 100
Online, nonlinear video production system
Macintosh Quadra 800, 950 or 840AV or Power Macintosh 8100; 40 MB of RAM; 1.2 GB hard disk drive; video monitor; videotape recorder; QuickTime; QuickDraw graphics; System 7.
$11,995 retail
Data Translation, Inc.; 100 Locke Dr.; Marlboro, MA 01752; 508-460-1600, ext. 100 or 508-481-8627 (fax)

MegaGrabber
Digital camera image capture card
Macintosh II family; 5 MB of RAM.
$2,895 and up retail
Perceptics Corp.; 725 Pellissippi Pkwy.; Knoxville, TN 37932; 615-966-9200 or 615-966-9330 (fax)

Movie Movie
Digital audio and full-motion video capture controller
Macintosh NuBus, including Centris 610; QuickTime 1.5 or later; System 7.0 or later.
$349 retail
$449 retail; with DiVA VideoShop
Sigma Designs; 47900 Bayside Pkwy.; Fremont, CA 94538; 510-770-0100, 800-845-8086 or 510-770-2640 (fax)

Mutoh IS/One Digitizers
Graphics digitizing tablets
Macintosh Plus or larger.
$645 to $995 retail
Mutoh America Inc.; 500 W. Algonquin Rd.; Mt. Prospect, IL 60056; 708-952-8880 or 708-952-8808 (fax)

Mutoh XL Digitizers
Graphics digitizing tablets
Macintosh Plus or larger.
$1,550 to $2,550 retail
Mutoh America Inc.; 500 W. Algonquin Rd.; Mt. Prospect, IL 60056; 708-952-8880 or 708-952-8808 (fax)

Neotech Color Adapter Module
Captures 8- and 24-bit color images
Macintosh II family; Neotech Image Grabber.
$499 retail
Advent Computer Products, Inc.; 449 Santa Fe Dr., Ste. 213; Encinitas, CA 92024; 619-942-8456 or 619-942-0648 (fax)

Neotech Image Grabber
Image capture board
Macintosh II family.
$1,499 retail
Advent Computer Products, Inc.; 449 Santa Fe Dr., Ste. 213; Encinitas, CA 92024; 619-942-8456 or 619-942-0648 (fax)

NuVista Classic Videographics Engine
Video graphics card
Macintosh II.
$2,995 retail; NuVista Classic 2 MB
$3,795 retail; NuVista Classic 4 MB
Truevision, Inc.; 7340 Shadeland Station; Indianapolis, IN 46256; 317-841-0332, 800-344-8783 (sales), 800-522-8783 (fax-back system) or 317-576-7768 (fax)

NuVista+ Videographics Card
Video graphics card
Macintosh II.
$2,495 retail; NuVista+ 1 MB NTSC or PAL
$2,995 retail; NuVista+ 2 MB NTSC or PAL
$3,795 retail; NuVista+ 4 MB NTSC or PAL
Truevision, Inc.; 7340 Shadeland Station; Indianapolis, IN 46256; 317-841-0332, 800-344-8783 (sales), 800-522-8783 (fax-back system) or 317-576-7768 (fax)

PixelBuffer
Video frame grabber card
Macintosh II family; 2 MB of RAM.
$1,995 retail
Perceptics Corp.; 725 Pellissippi Pkwy.; Knoxville, TN 37932; 615-966-9200 or 615-966-9330 (fax)

PixelGrabber
Video frame grabber card
Macintosh II family.
$1,295 retail
Perceptics Corp.; 725 Pellissippi Pkwy.; Knoxville, TN 37932; 615-966-9200 or 615-966-9330 (fax)

PixelHR-24
High-resolution display with built-in live color capture and graphics overlay
Macintosh II family; 2 MB of RAM.
$5,895 retail
Perceptics Corp.; 725 Pellissippi Pkwy.; Knoxville, TN 37932; 615-966-9200 or 615-966-9330 (fax)

PixelPipeline
Video frame grabber card
Macintosh II family.
$5,490 retail
Perceptics Corp.; 725 Pellissippi Pkwy.; Knoxville, TN 37932; 615-966-9200 or 615-966-9330 (fax)

Quora XNT
Digitizing tablet
Macintosh Plus or larger.
$869 to $959 retail
Numonics Corp.; 101 Commerce Dr.; Montgomeryville, PA 18936; 215-362-2766, 800-247-4517 or 215-361-0167 (fax)

Radius VideoVision
Create professional-quality videotapes on the desktop
Macintosh II or Quadra.
$1,999 retail; VideoVision Basic System
$2,399 retail; VideoVision Presentation System
$2,399 retail; VideoVision Education System
Radius Inc.; 1710 Fortune Dr.; San Jose, CA 95131; 408-434-1010, 800-227-2795 or 408-434-6437 (fax)

Radius VideoVision Studio
Video editing and production
Macintosh II or Quadra.
$4,499 retail
Radius Inc.; 1710 Fortune Dr.; San Jose, CA 95131; 408-434-1010, 800-227-2795 or 408-434-6437 (fax)

Radius VideoVision Studio Upgrade
JPEG video compression daughtercard for VideoVision H-Bus
Macintosh II or Quadra.
$1,999 retail
Radius Inc.; 1710 Fortune Dr.; San Jose, CA 95131; 408-434-1010, 800-227-2795 or 408-434-6437 (fax)

RasterOps 24MxTV
24-bit color, live video display/capture
Macintosh Centris 650, II or Quadra family; 8 MB of RAM; System 7.0 or later.
$2,199 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps 24STV
24-bit color, live video display/capture
Macintosh Centris, II or Quadra family; 4 MB of RAM; System 7.0 or later.
$919 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps 24XLTV
24-bit color, live video display/capture
Macintosh Centris 650, II or Quadra family; 8 MB of RAM; System 7.0 or later.
$3,249 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps MediaTime
24-bit color, live video display/capture, 16-bit audio
Macintosh Centris 650, II or Quadra family; 4 MB of RAM.
$1,999 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps MoviePak Presenter
Full-motion QuickTime movie capture/playback
Macintosh II, Centris 650 or Quadra; 8 MB of RAM; 80 MB hard disk drive; System 7.0 or later.
$1,799 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps MoviePak2
JPEG compression/decompression daughtercard with full-motion, real-time video digitizing and full-screen playback of QuickTime movies
Macintosh Centris, II or Quadra family; 8 MB of RAM; 500 MB hard disk drive; RasterOps 24STV, 24MxTV, 24XLTV or MediaTime; System 7.0 or later.
$1,849 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps MoviePak2 Pro Suite
Digital video solution for recording, editing and playing back full-motion QuickTime movies
Macintosh II, Centris 650 or Quadra; 8 MB of RAM; 80 MB hard disk drive; System 7.0 or later.
$4,199 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

ReStore
HDTV framestore that allows images to be captured, stored, retrieved and manipulated within the Mac
Macintosh II family; HDTV monitor.
$45,000 retail
Rebo Research; 530 W. 25th St.; New York, NY 10001; 212-989-9466 or 212-627-9083 (fax)

Showcase Systems
Interactive color display workstation
Macintosh II.
$25,000 retail
Projection Systems; 1125 E. Hillsdale Blvd., #101; Foster City, CA 94404; 415-578-8468 or 415-570-7459 (fax)

Spigot II Tape
Capture video, create QuickTime movies and record to videotape
Macintosh II or larger, including Power Macintosh; 12 MB of RAM; fast hard disk drive for full 30 fps performance; video source; NTSC monitor; System 7.0 or later.
$999 retail
SuperMac Technology; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100 or 800-541-7680 (fax-back information system)

VideoSpigot And VideoSpigot Pro
Digital frame grabber
Macintosh LC or larger.
$279 retail; VideoSpigot Mac LC version
$429 retail; VideoSpigot NuBus version
SuperMac Technology; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100 or 800-541-7680 (fax-back information system)

WTI-BoomBox
Stereo audio digitizer
Macintosh II family; 4 MB of RAM; System 6.0.7 or later; WTI-Moonraker video digitizer card.
$100 retail
Workstation Technologies, Inc.; 18010 Sky Park Cir., Ste. 155; Irvine, CA 92714; 714-250-8983 or 714-250-8969 (fax)

WTI-Moonraker
Video digitizer
Macintosh II family; 4 MB of RAM; 32-bit QuickDraw; System 6.0 or later.
$699 retail
Workstation Technologies, Inc.; 18010 Sky Park Cir., Ste. 155; Irvine, CA 92714; 714-250-8983 or 714-250-8969 (fax)

Hardware & Peripherals/ Disk Duplicators

Champion Automated Diskette Duplicators
Host based models
Any Macintosh, except IIfx; 1 MB of RAM.
$3,895 retail
Champion Duplicators, Inc.; 43301 Osgood Rd.; Fremont, CA 94539; 510-651-1934, 800-752-2145 or 510-659-0247 (fax)

Douglas Mac-Disk Duplicator
Disk duplication
Macintosh Plus or larger.
$1,500 retail; without standard Apple external disk drive
Douglas Electronics, Inc.; 2777 Alvarado St.; San Leandro, CA 94577; 510-483-8770 or 510-483-6453 (fax)

Pyramid StandAlone Diskette Duplicator
Disk duplicator; stand-alone model
For Macintosh 800K or 1.44 MB diskettes.
$5,595 retail; complete system
Champion Duplicators, Inc.; 43301 Osgood Rd.; Fremont, CA 94539; 510-651-1934, 800-752-2145 or 510-659-0247 (fax)

Tracer/ST
Software duplication system
Any Macintosh.
$5,200 retail
Trace Mountain; 1040 E. Brokaw Rd.; San Jose, CA 95131; 800-872-2318 or 408-441-3399 (fax)

Hardware & Peripherals/ Encoders/Decoders & Scan Converters

CV Link
Multimedia link to video
Macintosh LC, LC II, LC III, Quadra, Centris, Performa or PowerBooks with VGA.
$599 retail
Display Tech, Inc.; PO Box 6722; Concord, CA 94524; 510-676-9362 or 510-676-9335 (fax)

CVS-980H
High-resolution, wide-range, auto-locking scan converter
Macintosh Plus or larger.
$23,995 retail
James Grunder & Associates, Inc.; 9204 Bond St.; Overland Park, KS 66214; 913-492-4666, 800-331-2019 or 913-492-5556 (fax)

■ **Delta Vx**
MPEG encoding system
Macintosh Quadra family; one NuBus slot.
Delta Vx is an integrated, complete professional solution for the creation of interactive and linear-play video programs on compact disc and other interactive delivery mediums. Delta Vx combines real-time MPEG video and audio compression technology with powerful interactive design and mastering tools. Delta Vx employs a highly flexible, highly modular hardware and software architecture. Users can create professional-quality interactive titles for a broad range of applications, including Video CD, CD-ROM, CD-i, interactive television, video-on-demand, distributed networks and commercial insertion.
Call for pricing
OptImage Interactive Services Co.; 1501 50th St., Ste. 100; West Des Moines, IA 50266; 515-225-7000, 800-234-5484 or 515-225-0252 (fax)

EDEC-2000
Digital decoder/line doubler
Macintosh Plus or larger.
$7,995 retail
James Grunder & Associates, Inc.; 9204 Bond St.; Overland Park, KS 66214; 913-492-4666, 800-331-2019 or 913-492-5556 (fax)

Emotia
VGA and Macintosh to NTSC and RGB scan converter
Macintosh II family.
$1,295 retail
Extron Electronics; 13554 Larwin Cir.; Santa Fe Springs, CA 90670; 310-802-8804, 800-633-9876 or 310-802-2741 (fax)

Genie Scan Converter
Computer to flicker-free TV signal scan converter
Macintosh II.
$1,495 retail
Jovian Logic Corp.; 47929 Fremont Blvd.; Fremont, CA 94538; 510-651-4823 or 510-651-1343 (fax)

L-TV
Interface card that connects a Macintosh LC to a television monitor
Macintosh Color Classic, LC, LC II, LC III, LC 520 or Performa 400, 405, 450; Apple 12-, 13- or 14-inch or VGA display.
$349 retail
Lapis Technologies, Inc.; 1100 Marina Village Pkwy., Ste. 100; Alameda, CA 94501; 510-748-1600, 800-435-2747 or 510-748-1645 (fax)

Mac DisplayLink
Multimedia link to video
Macintosh II, Quadra or Centris; 8•24 or compatible video card.
$349 retail; NTSC and S-Video
$349 retail; PAL
Display Tech, Inc.; PO Box 6722; Concord, CA 94524; 510-676-9362 or 510-676-9335 (fax)

Mediator
Computer graphics to video scan converter
Macintosh II family.
$1,995 retail
VideoLogic, Inc.; 245 First St.; Cambridge, MA 02142; 617-494-0530 or 617-494-0534 (fax)

MR PP, Power Presenter
Pocket-size external device for PowerBook and Mac to NTSC conversion
Macintosh LC, PowerBook or larger; monitor output.
$300 U.S. retail; MR PP
$50 U.S. retail; RGB 21-pin SCART cable
Display Research Laboratory; 4/F Rm. 16, Wing Hing Ind. Bldg.; 83-93 Chai Wan Kok St.; Tsuen Wan, Hong Kong; (852) 402-1121, (852) 415-2739 (fax), 818-985-9407 (in U.S.) or 818-985-9665 (fax in U.S.)

MR VP, Video Presenter
External device for Macintosh to NTSC conversion with adaptive anti-flicker filter
Macintosh LC or larger.
$400 U.S. retail; MR VP/NTSC
$50 U.S. retail; RGB 21-pin SCART cable
Display Research Laboratory; 4/F Rm. 16, Wing Hing Ind. Bldg.; 83-93 Chai Wan Kok St.; Tsuen Wan, Hong Kong; (852) 402-1121, (852) 415-2739 (fax), 818-985-9407 (in U.S.) or 818-985-9665 (fax in U.S.)

■ **MultiGen**
Computer to video scan converter
Macintosh II or larger.
The MultiGen is a small computer to video scan converter with genlock and overlay capability. It fits easily into the palm of the hand and enables real-time conversion of computer graphics into either NTSC or PAL video. This self-contained, external unit requires no software drivers or support boards in the computer. It accommodates most PC and Macintosh computers, up to 640 by 480 resolution and 256,000 colors. The MultiGen provides simultaneous video outputs in Composite, S-Video and RGB, as well as an output for the computer monitor. It may also be genlocked to an external Composite or S-Video source, such as a video camera or videocassette recorder. The computer graphics may then be superimposed over the external video.
$695 retail
TV One Multimedia; 1445 Jamike Dr., Ste. 8; Erlanger, KY 41018; 606-282-7303 or 606-282-6885 (fax)

Neotech Color Video Encoder
Flexible video output from Macintosh computers to standard video equipment
Macintosh II family; video-ready display board (e.g., Apple 8•24).
$399 retail
Advent Computer Products, Inc.; 449 Santa Fe Dr., Ste. 213; Encinitas, CA 92024; 619-942-8456 or 619-942-0648 (fax)

■ **PortaView**
Mac to TV converter
Any Macintosh with VGA output.
PortaView is a portable VGA to TV converter. It connects to any computer that outputs a VGA (8-bit, 256-color) video signal. PortaView outputs a stable, flicker-free television signal (NTSC S-Video or NTSC Video), which can be displayed on a television (of any screen size) that has an RCA or S-Video input jack. The signal from PortaView can also be recorded to a VCR. The output (NTSC) signal from PortaView has the following resolutions: 480 lines (S-Video) and 320 lines (Composite Video). A PAL version is also available. FCC and UL approved, PortaView includes all necessary cables, software and AC adapter.
$195.79 retail
P2 Systems; 4505 University Way NE, Ste. 403; Seattle, WA 98105; 206-633-5876 (phone/fax)

The Presenter Plus Mac/PC
Computer to TV adapter
Macintosh LC II or larger; Video output port.
$429 retail

These Products Available Through Bottom Line Distribution
1-800-347-1923

Consumer Technology; 7853 SW Cirrus Dr.; Beaverton, OR 97035; 503-643-1662, 800-356-3940 or 503-671-9066 (fax)

Print To Video
External scan converter that lets users overlay their computer screen on live video
Macintosh with 640 by 480 screen resolution.
$595 retail
VideoLinx, Inc.; 540 N. Santa Cruz Ave., Ste. 284; Los Gatos, CA 95030; 408-395-9593, 800-245-0930 or 408-395-9594 (fax)

RasterOps Video Expander II
RGB NTSC and PAL signal encoding into composite and S-Video signal
Macintosh II or Quadra family.
$649 retail; NTSC or PAL
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RGB/Videolink 1500A
Video scan converter
Macintosh II.
$9,995 retail
RGB Spectrum; 950 Marina Village Pkwy.; Alameda, CA 94501; 510-814-7000 or 510-814-7026 (fax)

RGB/Videolink 1600U
Video scan converter
Macintosh II.
$11,995 retail
RGB Spectrum; 950 Marina Village Pkwy.; Alameda, CA 94501; 510-814-7000 or 510-814-7026 (fax)

Sayett Video Interface 2000
Video decoder
Macintosh LC, II, Centris, Quadra or PowerBook; Sayett Datashow Premier/16.8M or Mediashow/ Mediashow XC.
$595 retail
Sayett; 17 Tobey Village Office Park; Pittsford, NY 14534; 716-264-9250, 800-678-7469 or 716-264-9265 (fax)

Scan Do 800
Video scan converter
Macintosh II or larger; up to 832 by 624 resolution.
$1,195 retail
Communications Specialties, Inc.; 89A Cabot Ct.; Hauppauge, NY 11787; 516-273-0404 or 516-273-1638 (fax)

Scan Do Pro
Video scan converter
Macintosh II or larger; up to 1,024 by 768 resolution.
$1,695 retail; Scan Do Pro
$1,995 retail; Scan Do Pro/C
Communications Specialties, Inc.; 89A Cabot Ct.; Hauppauge, NY 11787; 516-273-0404 or 516-273-1638 (fax)

■ **Super Emotia**
High-resolution scan converter
Macintosh II or Quadra families.
The Super Emotia is a high-resolution, real-time digital Mac/Quadra, VGA, Super VGA and XGA to NTSC or PAL scan converter. Converting incoming Macintosh or VGA resolutions from 640 by 480 up to 1,024 by 768 to Video, S-Video and RGB, the Super Emotia is an affordable, professional-quality scan converter that uses real-time digital technology to convert the signal to video with minimal loss of signal integrity. The Super Emotia utilizes no software drivers, it includes a built-in automatic anti-flicker filter that also helps eliminate unwanted single pixel line flicker associated with scan conversion. The Super Emotia comes standard with both Macintosh and VGA input cables, composite video (NTSC or PAL) and S-Video (S-VHS) output cables and includes features such as Horizontal and Vertical Shift, Overscan/ Underscan, Freeze Frame. It is housed in a metal enclosure.
$1,895 retail
Extron Electronics; 13554 Larwin Cir.; Santa Fe Springs, CA 90670; 310-802-8804, 800-633-9876 or 310-802-2741 (fax)

TelevEyes
Macintosh to TV converter
Macintosh II or larger; display adapter board.
$199.95 retail
Digital Vision, Inc.; 270 Bridge St.; Dedham, MA 02026; 617-329-5400, 800-346-0090 or 617-329-6286 (fax)

TelevEyes/Plus
Computer-to-TV converter with audio
Macintosh with VGA video output
$449.95 retail
Digital Vision, Inc.; 270 Bridge St.; Dedham, MA 02026; 617-329-5400, 800-346-0090 or 617-329-6286 (fax)

TelevEyes/Pro
Scan converter
Any Macintosh with an external monitor.
$799.95 retail
Digital Vision, Inc.; 270 Bridge St.; Dedham, MA 02026; 617-329-5400, 800-346-0090 or 617-329-6286 (fax)

Truevision VIDI/O Box
Video encoder/decoder
Macintosh II.
$795 retail; NTSC or PAL versions
Truevision, Inc.; 7340 Shadeland Station; Indianapolis, IN 46256; 317-841-0332, 800-344-8783 (sales), 800-522-8783 (fax-back system) or 317-576-7768 (fax)

TV Encoder
RGB to NTSC or PAL conversion
Macintosh II, Centris or Quadra family; most 8- and 24-bit color display cards that support the Apple 13-inch color monitor.
$199 retail
ComputerVideo Enhancements, Inc.; Londonderry Commons, Bldg. 46B, Ste. 8A, Box 2; Londonderry, NH 03053; 603-434-0800 or 603-434-2211 (fax)

TV Scan
Outputs a standard NTSC composite or S-Video TV-compatible signal
Macintosh LC, LC II, LC III, Centris, Quadra, PowerBook 160/165/165c/180/180c or Duo/Mini Dock.
$399 retail
ComputerVideo Enhancements, Inc.; Londonderry Commons, Bldg. 46B, Ste. 8A, Box 2; Londonderry, NH 03053; 603-434-0800 or 603-434-2211 (fax)

Video Ranger Model 711
VGA to video scan converter
Macintosh Plus or larger.
$1,595 retail
Telebyte Technology, Inc.; 270 E. Pulaski Rd.; Greenlawn, NY 11740; 516-423-3232, 800-835-3298 or 516-385-8184 (fax)

WTI-VideoMax
Converter for Macintosh II RGB to NTSC/PAL composite output
Macintosh II; display card.
$375 retail
Workstation Technologies, Inc.; 18010 Sky Park Cir., Ste. 155; Irvine, CA 92714; 714-250-8983 or 714-250-8969 (fax)

YEM CVS-910
Auto-lock scan converter
Macintosh Plus or larger.
$12,900 retail
James Grunder & Associates, Inc.; 9204 Bond St.; Overland Park, KS 66214; 913-492-4666, 800-331-2019 or 913-492-5556 (fax)

YEM CVS-970B
Down converter
Macintosh Plus or larger.
$23,495 retail
James Grunder & Associates, Inc.; 9204 Bond St.; Overland Park, KS 66214; 913-492-4666, 800-331-2019 or 913-492-5556 (fax)

YEM CVS-980
Scan converter
Macintosh Plus or larger.
$16,995 retail
James Grunder & Associates, Inc.; 9204 Bond St.; Overland Park, KS 66214; 913-492-4666, 800-331-2019 or 913-492-5556 (fax)

Hardware & Peripherals/ Expansion Boxes

ATS Convertible Series Enclosures
Low-profile enclosure kits and expansion options for Macintosh 128K, 512K, SE and SE/30 motherboards
Macintosh 128K, 512K, SE or SE/30.
$275 retail
ATS — Atlanta Technical Specialists, Inc.; PO Box 49487; Atlanta, GA 30329; 404-455-6225 or 404-455-9803 (fax)

ATS Power House
Tower expansion enclosure for Macintosh II and Quadra series motherboards
Macintosh II, IIx, IIfx, Quadra 900 or 950.
$1,099 each retail; 300W version
$1,199 each retail; 450W version
ATS — Atlanta Technical Specialists, Inc.; PO Box 49487; Atlanta, GA 30329; 404-455-6225 or 404-455-9803 (fax)

Expanse NB8 And Expanse NB4
Expansion chassis
Macintosh II, Quadra, Performa or Centris family.
$795 to $1,895 retail
Second Wave, Inc.; 2525 Wallingwood Dr., #13; Austin, TX 78746; 512-329-9283 or 512-329-9299 (fax)

ExpanSE/30 And Expanse NB8/SE30
Expansion chassis system
Macintosh SE/30.
$795 to $1,795 retail
Second Wave, Inc.; 2525 Wallingwood Dr., #13; Austin, TX 78746; 512-329-9283 or 512-329-9299 (fax)

LC Max
Expansion chassis
Macintosh LC or LC II.
$299 retail
DGR Technologies; 1219 W. 6th St., Ste. 205; Austin, TX 78703; 512-476-9855, 800-235-9748 or 512-476-6399 (fax)

Micro/driveBank
Eight drive SCSI data storage organizer for up to eight MicroNet hard disk drives, CD-ROM, DAT backup and RAID disk arrays
Any Macintosh.
$995 retail
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

Multi Max
Expansion chassis and internal CD-ROM
Macintosh LC, LC II, LC III or Performa family.
$799 retail
DGR Technologies; 1219 W. 6th St., Ste. 205; Austin, TX 78703; 512-476-9855, 800-235-9748 or 512-476-6399 (fax)

Top•Hat
PDS slot and disk drive expansion kit
Macintosh LC, LC II, LC III or Performa family.
$399 retail
MicroQue; 5211 Greenpine Dr.; Murray, UT 84321; 801-263-1883 or 801-263-2886 (fax)

Hardware & Peripherals/ Image Recorders

Alto
Film recorder
Macintosh SE/30 or larger.
$42,900 retail; 16K model
$32,900 retail; 8K model
Agfa Division; Electronic Desktop Solutions; 200 Ballardvale St.; Wilmington, MA 01887; 508-658-5600, 800-288-4039 or 508-658-4193 (fax)

APS-6/70VR
Variable resolution laser imager
Macintosh II.
$19,500 retail
Autologic; 1050 Rancho Conejo Blvd.; Thousand Oaks, CA 91320; 805-498-9611 or 805-499-1167 (fax)

APS-SoftPIP/Mac
Page image processor
Macintosh II; System 7.0 or later.
$12,000 retail
Autologic; 1050 Rancho Conejo Blvd.; Thousand Oaks, CA 91320; 805-498-9611 or 805-499-1167 (fax)

Canon RE-650 Video Visualizer
Video visualization system
Macintosh II family; 4 MB of RAM; hard disk drive; 32-bit QuickDraw; System 6.0.5 or later.
$3,925 retail; RE-650
$1,109 retail; SV-MAC I/F board and software
Canon USA, Inc.; Visual Communication Systems Division; One Canon Plaza; Lake Success, NY 11042; 516-328-5960 or 516-328-5959 (fax)

ChromaScript II And IIE
PostScript RIP
Macintosh SE/30 or larger.
$15,500 retail; Chroma II
$18,500 retail; Chroma IIE
Agfa Division; Electronic Desktop Solutions; 200 Ballardvale St.; Wilmington, MA 01887; 508-658-5600, 800-288-4039 or 508-658-4193 (fax)

ColorFast II
Color digital film recorder
Macintosh Plus or larger.
$5,999 retail
GCC Technologies, Inc.; 209 Burlington Rd.; Bedford, MA 01730; 617-275-5800, 800-422-7777 or 617-275-1115 (fax)

ColorGetter II
Tabletop color scanners
Macintosh II family.
$35,750 retail; ColorGetter II Prima
$41,450 retail; ColorGetter II i
$47,450 retail; ColorGetter II Pro
Optronics, An Intergraph Division; 7 Stuart Rd.; Chelmsford, MA 01824; 508-256-4511 or 508-256-1872 (fax)

ColorSetter XL/XL 4000
PostScript-compatible imagesetter
Macintosh II family.
Call for pricing
Optronics, An Intergraph Division; 7 Stuart Rd.; Chelmsford, MA 01824; 508-256-4511 or 508-256-1872 (fax)

Dash 72 And Dash 94
Monochrome or color-capable output devices
Macintosh II or Quadra; 8 MB of RAM; 150 MB of free disk space.
$21,900 starting price retail; includes software, interface card and output device
Hyphen, Inc.; 181 Ballardvale St.; Wilmington, MA 01887; 508-988-0880, 800-388-0880 or 508-988-0879 (fax)

DeskSetter
Color laser imagesetter
Macintosh II family or larger.
Call for pricing
Optronics, An Intergraph Division; 7 Stuart Rd.; Chelmsford, MA 01824; 508-256-4511 or 508-256-1872 (fax)

DT-R1065 Drum-Type Imagesetter
Imagesetter that provides high-quality, high-speed four-page output
Macintosh II or Quadra family.
$99,500 retail
Screen (USA); 5110 Tollview Dr.; Rolling Meadows, IL 60008; 708-870-7400 or 708-870-0149 (fax)

DT-R2035 Drum-Type Imagesetter
Two-page imagesetter
Macintosh II or Quadra family.
$72,000 retail
Screen (USA); 5110 Tollview Dr.; Rolling Meadows, IL 60008; 708-870-7400 or 708-870-0149 (fax)

Eclipse
Image recorder
Any Macintosh.
$32,500 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

ECRM ID36
Internal drum laser imagesetter
Macintosh Quadra 800 or 900 family; 64 MB of RAM; 400 MB of free hard disk space; System 7.0 or later.
$55,000 retail
ECRM; 554 Clark Rd.; Tewksbury, MA 01876; 508-851-0207, 800-537-3276 or 508-851-7016 (fax)

ECRM ScriptSetter VR36
Variable resolution, tabletop imagesetter
Macintosh Quadra 800 or 900 family.
$29,500 retail
ECRM; 554 Clark Rd.; Tewksbury, MA 01876; 508-851-0207, 800-537-3276 or 508-851-7016 (fax)

ECRM ScriptSetter VR45
Tabletop imagesetter
Macintosh Quadra 650, 800, 900 or 950; 64 MB of RAM; System 7.0 or later.
$44,500 retail
ECRM; 554 Clark Rd.; Tewksbury, MA 01876; 508-851-0207, 800-537-3276 or 508-851-7016 (fax)

ECRM ScriptSetters
Imagesetters
Macintosh Quadra 800 and 900 family or Centris 650 with Ethernet.
$21,500 to $44,500 retail
ECRM; 554 Clark Rd.; Tewksbury, MA 01876; 508-851-0207, 800-537-3276 or 508-851-7016 (fax)

Electronic Picture Systems
Electronic imaging
Macintosh Plus or larger.
Call for pricing
Image Management Systems, Inc.; 239 W. 15th St.; New York, NY 10011; 212-741-8765 or 212-243-2344 (fax)

ExpressMaster 1000
1,000 dpi image recorder
Any Macintosh.
$74,500 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

ExpressMaster 1016
1,016 dpi image recorder
Any Macintosh.
$49,500 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

ExpressMaster 1270
1,270 and 1,524 dpi image recorders
Any Macintosh.
$55,000 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

ExpressMaster 3850
800 to 1,600 dpi image recorder
Any Macintosh.
$37,500 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

HeyerTech Image Management
Video still cameras, image databases and image transmission systems
Macintosh II or larger.
Under $1,000 starting price retail; video still cameras
System prices by quotation
HeyerTech, Inc.; 726 Marion Ave.; Palo Alto, CA 94303; 415-325-8522 or 415-325-5613 (fax)

HeyerTech Image Recording Systems
Custom still and full motion mass image storage with Panasonic TQ-3031F
Macintosh SE or larger.
HeyerTech custom image acquisition and management systems provide full-bandwidth still and motion video recording on high-quality optical media. A single platter can record 30 minutes of full motion, full bandwidth video with high-quality stereo audio or 54,000 still images (or any combination) on a single disc side. Video inputs and outputs include RGB, S-Video and NTSC. Worst case access time is .7 seconds to any frame. HeyerTech systems are ideal for applications that require either massive numbers of still images or mixed full motion video and audio with stills. Recorder/players and player-only units are available from stock. HeyerTech systems feature integration with video floppy still cameras, HeyerTech Image Management Databases and other video editing systems.
Under $12,000 starting price retail
HeyerTech, Inc.; 726 Marion Ave.; Palo Alto, CA 94303; 415-325-8522 or 415-325-5613 (fax)

HeyerTech Multimedia Production Systems
Multimedia systems including Panasonic TQ-3031F and LF-7300
Macintosh SE or larger.
The HeyerTech Multimedia Production Systems integrate Macintosh software with high-performance optical videodisc recording for the ultimate in speaker support, customized sales presentations, trade show exhibits and technical documentation. HeyerTech optical videodisc recording systems provide high capacity, high performance, high-quality video and computer controllability. Interfaces are available for HyperCard, SuperCard, Macromedia Director, 4th Dimension and others. The systems can incorporate video floppy still cameras, videotape, computer graphics animations or any RGB, NTSC or S-Video video source. The videodisc recorders, both write-once and erasable, offer the highest resolution video recording available combined with under .7 second access time and RS-232 computer control. They are an ideal source for image input to computer graphics software.
Under $10,000 starting price retail
HeyerTech, Inc.; 726 Marion Ave.; Palo Alto, CA 94303; 415-325-8522 or 415-325-5613 (fax)

HeyerTech Videodisc Recording Systems
Rewritable videodisc recording systems
Macintosh SE or larger.
Under $20,000 starting price retail
HeyerTech, Inc.; 726 Marion Ave.; Palo Alto, CA 94303; 415-325-8522 or 415-325-5613 (fax)

ImageMaster 1000
600 to 3,000 dpi image recorder
Any Macintosh.
$99,500 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

ImageMaster 1200
600 dpi, plain-paper output device
Any Macintosh.
$10,000 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

ImageMaster 2000
600 to 2,540 dpi imagesetter
Any Macintosh.
$16,500 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

ImageMaster 2000SA
600 to 2,540 dpi imagesetter with software RIP
Any Macintosh.
$23,500 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

ImageMaster 3000
3,048/1,525 dpi imagesetter
Any Macintosh.
$27,500 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

ImageMaster 5000
3,600/2,400/1,200 dpi imagesetter
Any Macintosh.
$79,500 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

ImageMaster 7000
3,600/2,400/1,200 dpi imagesetter
Any Macintosh.
$112,500 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

■ Intelliproof
Digital color proofing system that doubles as a laser imagesetter
Macintosh II family.
Intelliproof is a digital color proofing system that doubles as a ColorSetter 4400 laser imagesetter. Because Intelliproof relies on the same high-quality, PostScript-capable RIP and imaging system for proofs and films, it uniquely offers the productivity and versatility of digital proofing — plus the larger format, higher resolutions and halftone dots associated with proofs made from films. By proofing before making films, time and costs are cut to a minimum.
Call for pricing
Optronics, An Intergraph Division; 7 Stuart Rd.; Chelmsford, MA 01824; 508-256-4511 or 508-256-1872 (fax)

Lasergraphics LFR Mark II
Digital film recorder
Macintosh Plus or larger.
$14,995 retail
Lasergraphics, Inc.; 20 Ada; Irvine, CA 92718; 714-753-8282, 800-727-2655 or 714-727-2653 (fax)

Lasergraphics LFR Mark III
Digital film recorder
Macintosh Plus or larger.
$19,995 retail
Lasergraphics, Inc.; 20 Ada; Irvine, CA 92718; 714-753-8282, 800-727-2655 or 714-727-2653 (fax)

Lasergraphics Personal LFR
Digital film recorder
Macintosh Plus or larger.
$5,995 retail
Lasergraphics, Inc.; 20 Ada; Irvine, CA 92718; 714-753-8282, 800-727-2655 or 714-727-2653 (fax)

■ LFR Mark II DPM And LFR Mark III DPM-Digital Photography Model
Digital film recorders
Macintosh Plus or larger.
The LFR Mark II DPM and The Mark III DPM-Digital Photography Model are high-resolution digital recorders. The Mark II has a 4,000 line resolution and the Mark III has an 8,000 line resolution. Both have special features to meet the specific needs of today's photo labs, photographers and graphic designers. The first and foremost of these enhancements includes a special CRT. The CRT is designed to yield a greater density range (DMin.-DMax. range), eliminating the "halo effect" that commonly occurs with negative film. A second key feature is the direct imaging of Adobe Photoshop, TARGA and TIFF file formats. The Mark II DPM comes with 4 MB of memory and the Mark III DPM comes with 8 MB of memory. Both come with specialized look-up tables for negative film. Standard features include a built-in controller, computer controlled geometry for accurate imaging, dynamic focus for image clarity, 36-bits of color for smooth color sweeps, interchangable plug-in communication modules, PC/Windows and Macintosh System 7 compatibility and a one-year warranty.
$14,995 retail
Lasergraphics, Inc.; 20 Ada; Irvine, CA 92718; 714-753-8282, 800-727-2655 or 714-727-2653 (fax)

LFR-X Digital Film Recorder
Desktop film recorder
Macintosh Plus or larger.
$8,495 retail
Lasergraphics, Inc.; 20 Ada; Irvine, CA 92718; 714-753-8282, 800-727-2655 or 714-727-2653 (fax)

Mirus FilmPrinter Galleria
Full-color digital film recorder
Macintosh II or larger.
$9,995 retail; including Mirus Image-Mac driver software
Mirus Industries Corp.; 758 Sycamore Dr.; Milpitas, CA 95035; 408-944-9770, 800-942-9770 or 408-944-9795 (fax)

Montage Camera Collection
Optional cameras that are interchangeable with the 35mm camera included on Montage Presentation Series Film Recorders
Macintosh II or larger; Montage Presentation Series Film Recorder.
$695 to $6,995 retail
Presentation Technologies, Inc.; 779 Palomar Ave.; Sunnyvale, CA 94086; 408-774-3700, 800-782-2543 or 408-749-0746 (fax)

Montage FR2
35mm digital film recorder
Macintosh II or larger.
$6,995 retail
Presentation Technologies, Inc.; 779 Palomar Ave.; Sunnyvale, CA 94086; 408-774-3700, 800-782-2543 or 408-749-0746 (fax)

MT-R1100 Multipurpose Type Recorder
High-speed, large-format recorder
Macintosh II or Quadra family.
$165,000 retail
Screen (USA); 5110 Tollview Dr.; Rolling Meadows, IL 60008; 708-870-7400 or 708-870-0149 (fax)

MT-R1120 Multipurpose Type Recorder
Large-format, high-resolution recorder
Macintosh II or Quadra family.
$215,000 retail
Screen (USA); 5110 Tollview Dr.; Rolling Meadows, IL 60008; 708-870-7400 or 708-870-0149 (fax)

Paper Express
600 to 1,000 dpi plain-paper proofing
Any Macintosh.
$39,500 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

PCR II
Film recorder
Macintosh SE/30 or larger.
$14,000 retail
Agfa Division; Electronic Desktop Solutions; 200 Ballardvale St.; Wilmington, MA 01887; 508-658-5600, 800-288-4039 or 508-658-4193 (fax)

Plate Express
4,000 dpi direct-to-plate imager
Any Macintosh.
$225,000 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

Polaroid CI-700 Digital PhotoPrinter
Desktop imaging printer
Macintosh II.
$1,995 retail
Polaroid Corp., Electronic Imaging Systems; 565 Technology Sq.; Cambridge, MA 02139; 800-225-1618 or 617-577-3074 (fax)

Polaroid Digital Palette CI-5000S
Digital film recorder
Macintosh II.
$5,495 retail
Polaroid Corp., Electronic Imaging Systems; 565 Technology Sq.; Cambridge, MA 02139; 800-225-1618 or 617-577-3074 (fax)

ProColor Premier
Film recorder
Macintosh SE/30 or larger.
$5,900 retail
Agfa Division; Electronic Desktop Solutions; 200 Ballardvale St.; Wilmington, MA 01887; 508-658-5600, 800-288-4039 or 508-658-4193 (fax)

■ QCR-ZI Premium Film Recorder
Film recorder
Macintosh II or larger.
The QCR is a digital film recorder with quality output of photographic positive or negative images. The QCR-ZI Premium features a premium CRT to provide virtually blemish-free output. It is available with 35mm, 6 by 8cm, 4 by 5-inch or 8 by 10-inch premium film modules, individually calibrated to the film recorder. By combining a QCR film recorder with an Imapro photographic solution, users can create, retouch and restore old photographs and negatives. The QCR-ZI Premium gives users the freedom to produce outstanding, second-generation digital images inhouse.
$29,910 retail
Imapro Corp.; 2400 St. Laurent Blvd.; Ottawa, Ontario, Canada K1G 5A4; 613-738-3000 or 613-738-5038 (fax)

RISC Rascol
RISC-based controller
Macintosh Plus or larger.
$5,995 to $9,995 retail
Lasergraphics, Inc.; 20 Ada; Irvine, CA 92718; 714-753-8282, 800-727-2655 or 714-727-2653 (fax)

Sapphire Color Slide Recorder
Color image recorder
Macintosh II family; 4 MB of RAM; hard disk drive.
$19,900 retail
Management Graphics, Inc.; 1401 E. 79th St.; Minneapolis, MN 55425; 612-854-1220 or 612-851-6159 (fax)

SelectSet 5000
PostScript internal drum laser imagesetter
Macintosh Plus or larger.
$67,500 retail
Agfa Division, Miles Inc., Graphic Systems; 100 Challenger Rd.; Ridgefield Park, NJ 07660; 201-440-2500, 800-685-4271 or 201-440-8187 (fax)

SelectSet 7000
PostScript internal drum laser imagesetter
Macintosh Plus or larger.
$103,500 retail; includes Star 600 RIP
Agfa Division, Miles Inc., Graphic Systems; 100 Challenger Rd.; Ridgefield Park, NJ 07660; 201-440-2500, 800-685-4271 or 201-440-8187 (fax)

SlideScript
Dedicated, high-speed PostScript file interpreter/print controller for Montage film recorders
Macintosh II or larger.
$6,995 retail
Presentation Technologies, Inc.; 779 Palomar Ave.; Sunnyvale, CA 94086; 408-774-3700, 800-782-2543 or 408-749-0746 (fax)

Solitaire Image Recorder
Image recorder
Macintosh SE/30 or II family; 4 MB of RAM; hard disk drive.
$25,000 to $65,000 retail
Management Graphics, Inc.; 1401 E. 79th St.; Minneapolis, MN 55425; 612-854-1220 or 612-851-6159 (fax)

Spectraset 2200
Capstan-based output device
Macintosh II or Quadra; 8 MB of RAM; 150 MB of free disk space.
$55,000 starting price retail; includes software and interface card
Hyphen, Inc.; 181 Ballardvale St.; Wilmington, MA 01887; 508-988-0880, 800-388-0880 or 508-988-0879 (fax)

Spectraset 2300
Capstan-based, high-resolution imagesetter
Macintosh II or Quadra; 8 MB of RAM; 150 MB of free disk space.
$45,000 retail; includes software and interface card
Hyphen, Inc.; 181 Ballardvale St.; Wilmington, MA 01887; 508-988-0880, 800-388-0880 or 508-988-0879 (fax)

Spectraset 2400
Capstan-based, high-resolution imagesetter
Macintosh II or Quadra; 8 MB of RAM; 150 MB of free disk space.
$59,000 retail; includes software and interface card
Hyphen, Inc.; 181 Ballardvale St.; Wilmington, MA 01887; 508-988-0880, 800-388-0880 or 508-988-0879 (fax)

Spectraset 3000
High-resolution desktop output device
Macintosh II or Quadra; 8 MB of RAM; 150 MB of free disk space.
$44,000 retail; includes software and interface card
Hyphen, Inc.; 181 Ballardvale St.; Wilmington, MA 01887; 508-988-0880, 800-388-0880 or 508-988-0879 (fax)

Spectraset 3100 And 3200
Drum-based, high-resolution imagesetters
Macintosh II or Quadra; 8 MB of RAM; 150 MB of free disk space.
$100,000 retail; Spectraset 3100 (includes software and interface card)
$159,000 retail; Spectraset 3200 (includes software and interface card)
Hyphen, Inc.; 181 Ballardvale St.; Wilmington, MA 01887; 508-988-0880, 800-388-0880 or 508-988-0879 (fax)

Vérité II
PostScript digital film recorder
Macintosh II or larger.
$8,995 retail
Prime Option; 2341 W. 205th St., Ste. 116; Torrance, CA 90731; 310-618-0274, 800-828-9877 or 310-618-1982 (fax)

■ **Vision 300/400**
Wet/dry-capable imagesetter
Macintosh II or larger; 8 MB of RAM.
Vision 300/400 is a wet/dry-capable imagesetter that provides users with a savings using wet media and easy transition to dry. Vision is a laser diode-based imagesetter equipped to expose HeNe materials. Users can proceed to image dry media in their own, unique environments and safely make the transition to dry without reconfiguration or compromise to their investment. The Vision 300/400 models represent 72 and 94 pica configurations, respectively. Vision supports 3M's silver-based dry image paper and film materials. These photographic media are high resolution, negative acting and thermally processed; and therefore do not require photographic chemistry or water for processing.
Call for pricing
ULTRE (a Division of Linotype-Hell); 145 Pinelawn Rd.; Melville, NY 11747; 516-753-4800, 800-955-4355 or 516-753-4801 (fax)

Hardware & Peripherals/ Input Devices

A^3 Mouse
Input device
Macintosh SE or larger; System 6.0 or later.
$125.95 retail
Mouse Systems Corp.; 47505 Seabridge Dr.; Fremont, CA 94538; 510-656-1117 or 510-656-4409 (fax)

A^3 Trackball
Input device
Macintosh SE or larger; System 6.0 or later.
$119.99 retail
Mouse Systems Corp.; 47505 Seabridge Dr.; Fremont, CA 94538; 510-656-1117 or 510-656-4409 (fax)

Abacus Adder Pad
Online keypad
Macintosh SE or larger.
$149 retail
Key Tronic Corp.; PO Box 14687; Spokane, WA 99214; 509-928-8000, 800-262-6006, 800-348-6006 in Canada or 509-927-5224 (fax)

Action! Mouse For Macintosh
Two-button, multifunction mouse
Macintosh SE or larger; System 7.0 or later.
$72.50 retail
Pointex, Inc.; 20311 Valley Blvd., Ste. M; Walnut, CA 91789; 909-594-6321 or 909-594-7318 (fax)

Action! Touch For Macintosh
Extended keyboard
Macintosh SE or larger; System 6.0.5 or later.
$139 retail
Pointex, Inc.; 20311 Valley Blvd., Ste. M; Walnut, CA 91789; 909-594-6321 or 909-594-7318 (fax)

Action! Touch Lite
Extended keyboard power in a keyboard size
Macintosh SE or larger; System 6.0.5 or later.
$119 retail
Pointex, Inc.; 20311 Valley Blvd., Ste. M; Walnut, CA 91789; 909-594-6321 or 909-594-7318 (fax)

ADB Industrial Keyboard, By BTM
Keyboard-type input device for industrial and assembly line environments
Macintosh SE or larger.
$480 retail; quantity discounts available
Business Technology Manufacturing, Inc.; 42-20 235th St.; Douglaston, NY 11363; 718-229-8080

AirMouse CoPilot Infrared Link
Provides integrated command of the entire presentation environment
Macintosh Plus or larger.
$795 retail
AirMouse Remote Controls; PO Box 100; Williston, VT 05495; 802-878-9600 or 802-878-9699 (fax)

AirMouse Mac Remote Control
Input device
Macintosh Plus or larger.
The AirMouse Mac Remote Control puts the presenter back in control of presentations. Nesting comfortably in one hand, it allows users to easily manage complex interactive presentations by pointing from anywhere in the room. All standard computer-mouse functions are supported. Users simply point the AirMouse Mac Remote Control at on-screen menus and press one button for use of all features.
$595 retail
AirMouse Remote Controls; PO Box 100; Williston, VT 05495; 802-878-9600 or 802-878-9699 (fax)

Altec Lansing Multimedia AHS10
Communications headset
Any Macintosh.
$50 each retail
Altec Lansing Multimedia; PO Box 277; Milford, PA 18337; 717-296-2818, 800-648-6663 or 717-296-1222 (fax)

Altec Lansing Multimedia AM10
Communications microphone
Any Macintosh.
$25 each retail
Altec Lansing Multimedia; PO Box 277; Milford, PA 18337; 717-296-2818, 800-648-6663 or 717-296-1222 (fax)

Apple Adjustable Keyboard
Ergonomically designed keyboard
Macintosh with ADB port; System 6.0.7 or later.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Apple Desktop Bus Mouse II
Ergonomically-designed input device
Macintosh with ADB port.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Apple Keyboard II; Apple Extended Keyboard II
Standard and ergonomically-designed keyboards
Macintosh SE, SE/30 or II family.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

■ **Bar Code Pro Reader**
Programmable bar-code reader
Macintosh with ADB port.
The Bar Code Pro Reader is a slimline, programmable bar-code reader compatible with all Macintoshes. It plugs into the standard ADB port and has a pass through port to retain simultaneous connection of keyboard, mouse and other devices. It requires no power source or software. Reader is programmable to recognize or selectively ignore different types of symbologies and their variations, as well as send user-defined strings before or after the read. With this function, it is possible to have complex functions of software applications activated through the hardware alone.
$199 retail
Synex; 692 10th St.; Brooklyn, NY 11215; 718-499-6293, 800-447-9639 or 718-768-3997 (fax)

The Bat Personal Keyboard
Keyboard
Macintosh with ADB port.
$495 retail; for dual
$295 retail; for single
Infogrip, Inc.; 1145 Eugenia Pl., Ste. 201; Carpinteria, CA 93013; 800-397-0921 or 805-566-1079 (fax)

BusRider BC-91
Bar-code ID system
Any ADB Macintosh.
$495 retail
Silicon Valley Bus Co.; 475 Brown Rd.; San Juan Bautista, CA 95045; 408-623-2300 or 408-623-4440 (fax)

■ **CodeScan 3000**
Bar-code readers
Any Macintosh.
The CodeScan 3000 family of bar-code readers makes data entry fast, easy and very accurate. They are ready for use in minutes, user friendly and come complete with the decoder, polycarbonate wand (other options available), an easy-to-use manual and free technical support. CodeScan reads all standard bar-code symbologies, and its special autodiscriminating feature automatically recognizes the type of bar code being scanned and reads them in either direction. CodeScan supports Code 39, UPC, EAN, ISBN, Interleaved 2 of 5, POSTNET and FIM. Cables are included to connect both keyboard and Macintosh.
$345 retail
Bear Rock Technologies; 4140 Mother Lode Dr., Ste. 100; Shingle Springs, CA 95682; 916-672-0244, 800-232-7625 or 916-672-1103 (fax)

ComputAbility's Programmable Keyboard
Programmable keyboard with mouse emulator
Macintosh SE or larger.
$499 retail
ComputAbility Corp.; 40000 Grand River, #109; Novi, MI 48375; 313-477-6720, 800-433-8872 or 313-477-6324 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

Computer Crayon
Mouse that is used like a crayon
Macintosh with ADB port.
$39 retail
APT, Inc.; 6377 Clark Ave., Ste. 111; Dublin, CA 94568; 510-803-8850, 800-448-1184 or 510-803-1995

■ **Cordless DynaMouse**
Cordless mouse
Any Macintosh.
The Cordless DynaMouse uses infrared light to communicate with the computer, allowing more freedom to move around the desktop without tangles or running out of cable. Features include: 400 dpi hardware resolution, 25 to 6,400 dpi dynamic resolution through mouse drivers, up to six feet operating range within a 90 degree "view-angle" and includes two rechargable batteries for continuous operation.
$99 retail
DynaPoint Inc.; 18325 Bedford Cir.; City of Industry, CA 91744; 818-854-9355 or 818-854-9361 (fax)

CR-510 Optical Card Reader
Optical mark reader
Macintosh Plus or larger.
$1,100 U.S. retail
Discus Data Systems Inc.; 31 Fairview Blvd., #108; St. Albert, Alberta, Canada T8N 3M5; 403-458-0303 or 403-460-9252 (fax)

CT NEC 3FG/4FG Touch Frame
15-inch touch frame
NEC 3FG/4FG monitors.
$440 retail
$135 retail; RS-232 Controller
Carroll Touch; PO Box 1309; Round Rock, TX 78680; 512-244-3500 or 512-244-7040 (fax)

DataGlove Model 4
Input device that converts hand gestures and positions into computer-readable form
Macintosh with 68020 or larger processor (Quadra or Centris).
$9,750 retail
VPL Research Inc.; 3977 E. Bayshore Rd.; Palo Alto, CA 94303; 415-988-2550 or 415-988-2557 (fax)

DD MagScan
Compact, integrated magnetic stripe and bar-code reading system
Any Macintosh.
$345 retail
DataDesigns; 8269 Fredericksburg Rd.; San Antonio, TX 78229; 210-697-0780

DD MaxiBar
Universal keyboard wedge
Any Macintosh.
$585 retail
DataDesigns; 8269 Fredericksburg Rd.; San Antonio, TX 78229; 210-697-0780

DD MaxiScan
Laser-diode scanner
Any Macintosh.
$3,950 retail
DataDesigns; 8269 Fredericksburg Rd.; San Antonio, TX 78229; 210-697-0780

DD MiniBar
Universal keyboard wedge
Any Macintosh.
$405 retail
DataDesigns; 8269 Fredericksburg Rd.; San Antonio, TX 78229; 210-697-0780

DD ScanImage
Hand-held laser bar-code reader
Any Macintosh.
$1,295 retail; decoded
$1,095 retail; undecoded
DataDesigns; 8269 Fredericksburg Rd.; San Antonio, TX 78229; 210-697-0780

DD ScanPlus
CCD bar-code reader
Any Macintosh.
$595 retail
DataDesigns; 8269 Fredericksburg Rd.; San Antonio, TX 78229; 210-697-0780

DrawingSlate
Cordless graphics tablets
Macintosh with ADB port.
$395 to $795 retail
CalComp Digitizer Division; 14555 N. 82nd St.; Scottsdale, AZ 85260; 714-821-2000, 800-932-1212 or 714-821-2832 (fax)

DuraWand
Portable bar-code reader
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.
$495 retail; DuraWand
$100 retail; software
$859 retail; complete system
Videx, Inc.; 1105 NE Circle Blvd.; Corvallis, OR 97330; 503-758-0521 or 503-752-5285 (fax)

E.Key
Small adapter box with two ADB connectors and an AT/MF-2 keyboard connector
Macintosh with ADB.
$69 retail
Applied Technologies; Niedstrasse 22; D-12159 Berlin; Germany; +49-30-8592958 or +49-30-8514615 (fax)

Edmark TouchWindow
Provides a way to add touch screen interaction to Macintosh software
Macintosh Classic or larger; System 6.0.5 or later.
$335 retail
Edmark Corp.; 6727 185th Ave. NE; PO Box 3218; Redmond, WA 98073; 206-556-8484 or 206-556-8998 (fax)

Elo ADB Touchscreen Controller
Touchscreen controller
Macintosh LC or larger.
$290 retail
Elo TouchSystems, Inc.; 105 Randolph Rd.; Oak Ridge, TN 37830; 800-356-8682

EZBarcode Wedge II For Macintosh
Bar-code reader
Macintosh Plus or larger.
$289 retail; with metal wand
TimeKeeping Systems, Inc.; 1306 E. 55th St.; Cleveland, OH 44103; 216-361-9995 or 216-361-0030 (fax)

Felix
Optical pointing device
Macintosh SE or larger.
$118 retail; 10-day free trial offer
Altra; 520 W. Cedar St.; Rawlins, WY 82301; 307-328-1342, 800-726-6153 or 307-328-1346 (fax)

Flightstick Pro
Joystick
Macintosh with ADB port; System 6.0.7 or later.
$129.95 retail
CH Products; 970 Park Center Dr.; Vista, CA 92083; 619-598-2518 or 619-598-2524 (fax)

FreeWheel System
Optical pointer that replaces the Macintosh keyboard and mouse for the severely disabled
Any Macintosh.
$1,395 retail
$150 retail; ADB adapter for SE and II
Pointer Systems; 1 Mill St.; Burlington, VT 05401; 800-537-1562 or 802-658-3714 (fax)

Gliffic Plus
Digitizing tablet
Macintosh with serial (printer or modem) port.
$299 retail
APT, Inc.; 6377 Clark Ave., Ste. 111; Dublin, CA 94568; 510-803-8850, 800-448-1184 or 510-803-1995

Gravis MouseStick II
Programmable joystick
Macintosh SE or larger; System 6.0.7 or later.
$99.95 retail
Advanced Gravis Computer Technology, Ltd.; 101-3750 N. Fraser Way; Burnaby, BC, Canada V5J 5E9; 604-431-5020, 800-663-8558 or 604-431-5155 (fax)

Gulliver Mouse
Portable/desktop mouse
Macintosh with ADB port.
$69 retail
APT, Inc.; 6377 Clark Ave., Ste. 111; Dublin, CA 94568; 510-803-8850, 800-448-1184 or 510-803-1995

GyroPoint
Pointing device
Macintosh Classic or larger.
$495 retail; GyroPoint
$195 retail; GyroPoint RemotePack
Gyration Inc.; 12930 Saratoga Ave., Bldg. C; Saratoga, CA 95070; 408-255-3016 or 408-255-9075 (fax)

Headmaster Plus
Mouse alternative for the physically disabled
Macintosh with ADB port.
$1,195 retail; Headmaster Plus
$495 retail; remote adapter
Prentke Romich Co.; 1022 Heyl Rd.; Wooster, OH 44691; 800-262-1984 or 216-263-4829 (fax)

■ **HeadMouse**
Wireless head-pointing device for disabled
Any Macintosh with ADB port or mouse.
HeadMouse is a wireless head-pointing device that replaces the standard desktop mouse for users who cannot use their hands. A tiny, disposable sticker is placed on the user's forehead, glasses or wherever the small sensor unit can see it. Users precisely control the movement of the cursor just by moving their head. The sensor unit is usually placed on top of the monitor. Users do not have to wear any equipment and there are no wires attached to the user. HeadMouse is especially useful when used with an on-screen keyboard, such as ScreenDoors, and therefore allows full word processing capabilities as well. Used with "Magic Cursor," users will not even need a switch to do mouse button clicks, providing completely wireless, full control of the Macintosh.
$1,795 retail
Madenta Communications, Inc.; 9411 A 20th Ave.; Edmonton, Alberta, Canada T6N 1E5; 403-450-8926, 800-661-8406 or 403-988-6182 (fax)

HyperTrac
Provides three buttons, ball and trackwheel input
Macintosh with ADB port.
$129.95 retail
MicroSpeed, Inc.; 5005 Brandin Ct.; Fremont, CA 94538; 510-490-1403 or 510-490-1665 (fax)

IDEK 17-Inch Touch Frame
17-inch touch frame
IDEK MF-5017, MF-5117, MF-5217 or MF-5317 color monitors.
$540 retail
Carroll Touch; PO Box 1309; Round Rock, TX 78680; 512-244-3500 or 512-244-7040 (fax)

Index Extended Keyboards
Input devices
Macintosh SE or larger; System 6.0.5 or later.
$99 retail; English version
$109 retail; French, German and Spanish versions
Memory Technologies, Texas Inc.; 3007 N. Lamar; Austin, TX 78705; 512-451-2600, 800-950-8411 (orders) or 512-451-3323 (fax)

Industrial Mouse #M80A3
Inductive joystick controller for reliability and/or harsh environment sensitive users
Any Macintosh.
$499 retail
CTI Electronics Corp.; 110 Old South Ave.; Stratford, CT 06497; 203-386-9779 or 203-378-4986 (fax)

Info 2 Button Macintosh Mouse
Two-button mouse
Any Macintosh with an ADB port.
$79.95 retail
Info Products; 541 Division St.; Campbell, CA 95008; 408-374-7290, 800-775-7576 or 408-378-1068 (fax)

Info Macintosh Trackball
Input device
Any Macintosh with an ADB port.
$99 retail
Info Products; 541 Division St.; Campbell, CA 95008; 408-374-7290, 800-775-7576 or 408-378-1068 (fax)

IntelliKeys
Alternative keyboard
Macintosh SE or larger.
$395 retail
IntelliTools, Inc.; 5221 Central Ave., Ste. 205; Richmond, CA 94804; 510-528-0670, 800-899-6687 or 510-528-2225 (fax)

■ **Interex Mac-200 Trackball**
Ergonomic trackball
Any Macintosh.
The Interex Mac-200 Trackball is designed specifically to provide the maximum amount of form, function and fashion. The curved ergonomic design provides a soft angular base for comfort and convenient operation. The oversized buttons and ball require less hand movement, diminishing fatigue. The small footprint saves valuable desk space. Mac-200 Trackball features variable resolution up to 6,400 dpi and opto-mechanical technology for precision tracking and reliable function. Simple installation is possible by use of the preprogrammed mouse driver, eliminating the need for additional software. The tough, durable construction will give many years of service.
$49 retail
Interex Computer Products; 2971 S. Madison; Wichita, KS 67216; 316-524-4747 or 316-524-4636 (fax)

Interex Numeric Keypad
Input device
Macintosh with ADB port.
$69.95 to $89.95 retail
Interex Computer Products; 2971 S. Madison; Wichita, KS 67216; 316-524-4747 or 316-524-4636 (fax)

JABRA Ear Phone for Quadra AV And Power Macintosh
Contains both a speaker and microphone in a small earpiece
Macintosh Centris or Quadra AV family, including Power Macintosh.
$169 retail
JABRA Corp.; 9191 Towne Centre Dr., #330; San Diego, CA 92122; 619-622-0764 or 619-622-0353 (fax)

JABRA Ear Phone Streamline
Contains both a speaker and microphone in a small ear piece
Macintosh LC or larger.
$99 retail
JABRA Corp.; 9191 Towne Centre Dr., #330; San Diego, CA 92122; 619-622-0764 or 619-622-0353 (fax)

Jetstick for Macintosh
Joystick
Macintosh with ADB port; System 6.0.7 or later.
$74.95 retail
CH Products; 970 Park Center Dr.; Vista, CA 92083; 619-598-2518 or 619-598-2524 (fax)

Jurassic Mouse
Input device
Macintosh with ADB port.
$39.95 retail
APT, Inc.; 6377 Clark Ave., Ste. 111; Dublin, CA 94568; 510-803-8850, 800-448-1184 or 510-803-1995

KBF1032 Industrial Mouse Keyboard System
Integrated keyboard/joystick assembly for reliability and/or harsh environment sensitive users
Any Macintosh.
$689 retail
CTI Electronics Corp.; 110 Old South Ave.; Stratford, CT 06497; 203-386-9779 or 203-378-4986 (fax)

Ke:nx 3.0
Computer access package
Macintosh Classic or larger; 4 MB of RAM; hard disk drive; System 7.0 or later.
$780 retail
Don Johnston, Inc.; 1000 N. Rand Rd., Bldg. 115; PO Box 639; Wauconda, IL 60084; 708-526-2682, 800-999-4660 or 708-526-4177 (fax)

Ke:nx On:Board 3.0
Empowered, expanded keyboard for users that cannot use the regular keyboard
Macintosh Classic or larger; 4 MB of RAM; hard disk drive; System 7.0 or later.
$675 retail
Don Johnston, Inc.; 1000 N. Rand Rd., Bldg. 115; PO Box 639; Wauconda, IL 60084; 708-526-2682, 800-999-4660 or 708-526-4177 (fax)

Kensington NoteBook KeyPad
External numeric keypad
Macintosh PowerBook; System 6.0.5 or later (System 6.0.7 or later for use with Adding Machine Software).
$119.95 retail
$149.95 retail; with Adding Machine Software and ADB pass-through
$49.95 retail; Adding Machine Software (stand-alone unit)
Kensington Microware, Ltd.; 2855 Campus Dr.; San Mateo, CA 94403; 415-572-2700, 800-535-4242 or 415-572-9675 (fax)

Keyboard Deluxe — Mac
Extended 105-key keyboard
Macintosh with ADB port.
$89.95 to $129.95 retail
MicroSpeed, Inc.; 5005 Brandin Ct.; Fremont, CA 94538; 510-490-1403 or 510-490-1665 (fax)

KM30 Joystick/Mouse
Joystick/mouse
Macintosh SE or larger.
$79.95 retail
Kraft Systems, Inc.; 450 W. California Ave.; Vista, CA 92083; 619-724-7146 or 619-941-1770 (fax)

Kurta XGT ADB Graphics Tablet
6- by 8-inch ADB graphics tablet
Macintosh with ADB port; System 6.0 or later.
$399 retail; with pressure pen
Kurta Corp.; 3007 E. Chambers St.; Phoenix, AZ 85040; 602-276-5533 or 602-276-7823 (fax)

Little Mouse
Input device
Any Macintosh.
$55.95 retail; Plus
$119.95 retail; ADB
Mouse Systems Corp.; 47505 Seabridge Dr.; Fremont, CA 94538; 510-656-1117 or 510-656-4409 (fax)

Mac 'N Touch
Touch screen monitors and kits
Macintosh SE or II family.
Call for pricing; varies depending on the monitor
MicroTouch Systems, Inc.; 300 Griffin Park; Methuen, MA 01844; 508-659-9000 or 508-659-9100 (fax)

Mac ADB Extender
Connects to the Macintosh, keyboard and mouse, and to a remote unit up to 1,000-feet away
Macintosh SE or larger; System 4.1 or later.
$599 retail
Presentation Electronics, Inc.; 4320 Anthony Ct., Ste. 1; Rocklin, CA 95877; 916-652-9281, 800-888-9281 or 916-652-9286 (fax)

Mac GamePad
Control-pad style input device
Macintosh SE or larger; System 6.0.7 or later.
$49.95 retail
Advanced Gravis Computer Technology, Ltd.; 101-3750 N. Fraser Way; Burnaby, BC, Canada V5J 5E9; 604-431-5020, 800-663-8558 or 604-431-5155 (fax)

Mac Monitor Extender
Connects a second monitor up to 150 feet from the computer
Macintosh with ADB port.
$269 retail; cable costs are additional (by the foot)
Presentation Electronics, Inc.; 4320 Anthony Ct., Ste. 1; Rocklin, CA 95877; 916-652-9281, 800-888-9281 or 916-652-9286 (fax)

Mac-100 Mouse
Apple-compatible, two-button mouse
Macintosh with ADB port.
$29.99 retail
Interex Computer Products; 2971 S. Madison; Wichita, KS 67216; 316-524-4747 or 316-524-4636 (fax)

Mac-105 Enhanced Replacement Keyboard
High-quality replacement keyboard
Macintosh SE or larger.
$99 to $129 retail
Interex Computer Products; 2971 S. Madison; Wichita, KS 67216; 316-524-4747 or 316-524-4636 (fax)

■ **MacAlly Keyboard**
Keyboard
Any Macintosh with ADB port.
MacAlly keyboards are affordable, high-quality, fully ADB-compatible input devices. User consideration and high reliability were given priority in designing the keyboards. The keyboard assembly utilizes soft (no audible click) touch with positive tactile fill. The Extended Keyboard offers 105 keys for easy typing, cursor movement and number entry. The standard keyboard has 96 keys, including 15 function keys in easy layout for efficient typing. MacAlly products are covered by an 18-month limited warranty.
$99 retail; extended
$69 retail; standard
Mace Group Inc.; 2550 Corporate Pl., #C101; Monterey Park, CA 91754; 213-780-6110 or 213-780-3250 (fax)

■ **MacAlly Mouse**
Mouse
Macintosh with ADB Port.
MacAlly Mouse is ideal as a replacement to Apple's ADB mouse. It offers reliable opti-mechanical encoding with ergonomical two-button design (click and click/hold). MacAlly products are covered by an 18-month limited warranty.
$39 retail
Mace Group Inc.; 2550 Corporate Pl., #C101; Monterey Park, CA 91754; 213-780-6110 or 213-780-3250 (fax)

■ **MacAlly PenMouse**
Input device
Macintosh with ADB port.
MacAlly PenMouse is one of the most versatile input devices. It can be used as a mouse or as a thumb ball. Its ergonomical design and ease of use makes it an indispensable tool for artists, teachers and home use. PenMouse offers two sensitivity settings with dpi up to 580, horizontal and vertical lock. It is fully ADB compatible. MacAlly products are covered by an 18-month limited warranty.
$79 retail
Mace Group Inc.; 2550 Corporate Pl., #C101; Monterey Park, CA 91754; 213-780-6110 or 213-780-3250 (fax)

MacCommander
Input device
Macintosh SE or larger.
$498 retail
$129 retail; standard keycap set
Applied Technologies; Niedstrasse 22; D-12159 Berlin; Germany; +49-30-8592958 or +49-30-8514615 (fax)

MacHandwriter
Pen computing solution
Macintosh with 68030 or larger processor; 5 MB of RAM; 3 MB of free hard disk space; System 7.0 or later.
$299 retail
Communication Intelligence Corp.; 275 Shoreline Dr., 6th Fl.; Redwood Shores, CA 94065; 415-802-7888 or 415-802-7777 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

MacHandwriter II-J
Pen computing solution
Macintosh with 68030 or larger processor; 6 MB of RAM; 4 MB of free hard disk space; KanjiTalk 7.1 or later.
¥58,000 retail
Communication Intelligence Corp.; 275 Shoreline Dr., 6th Fl.; Redwood Shores, CA 94065; 415-802-7888 or 415-802-7777 (fax)

Macintosh (ADB) Thunderstick
Flight simulation joystick
Macintosh SE or larger.
$89.95 retail
Kraft Systems, Inc.; 450 W. California Ave.; Vista, CA 92083; 619-724-7146 or 619-941-1770 (fax)

MacMouse
Input device; slightly larger and heavier mouse
Macintosh with ADB port, DB-9 for Plus and earlier
$49 retail
Weingarten Gallery; 625 Congress Park Dr.; Dayton, OH 45459; 513-435-0134 or 513-435-9087 (fax)

■ **MacPoint**
One-button ADB mouse
Macintosh with ADB.
MacPoint is a one-button ADB mouse. Its high resolution and advanced opto-mechanical technology provide superior tracking, performance and reliability. Its smooth performance, rock-solid durability and outstanding compatibility makes navigating through the most demanding applications easier. To protect its advanced circuitry and to ensure a long life, the MacPoint is housed in a high-impact plastic case with smooth sculptured lines. The end result is a mouse that is incredibly precise, durable and comfortable. Ideal for both right- and left-handed users, MacPoint is backed by a lifetime limited warranty.
$39.99 retail
Mouse Systems Corp.; 47505 Seabridge Dr.; Fremont, CA 94538; 510-656-1117 or 510-656-4409 (fax)

MacPro Plus And TrakPro
Keyboards
Macintosh SE, SE/30 or II family.
$179 retail; MacPro Plus
$249 retail; TrakPro
Key Tronic Corp.; PO Box 14687; Spokane, WA 99214; 509-928-8000, 800-262-6006, 800-348-6006 in Canada or 509-927-5224 (fax)

MacTrac
Trackball
Macintosh 512K or larger.
$99 retail; for Mac and Plus
$119 retail; ADB for Classic, SE, LC or II
MicroSpeed, Inc.; 5005 Brandin Ct.; Fremont, CA 94538; 510-490-1403 or 510-490-1665 (fax)

Microgrid Ultra ADB
Graphics tablets
Macintosh SE or II family.
$3,299 to $5,499 retail; 17 by 24 inches to 44 by 60 inches (opaque)
$7,499 to $8,699 retail; 36 by 48 inches to 44 by 60 inches (backlit)
Summagraphics Corp.; 8500 Cameron Rd.; Austin, TX 78754; 512-835-0900 or 512-873-1329 (fax)

MicroTrac
Trackball
Macintosh Classic, SE, LC or II.
$99 retail
MicroSpeed, Inc.; 5005 Brandin Ct.; Fremont, CA 94538; 510-490-1403 or 510-490-1665 (fax)

MonitorMouse For Macintosh
Touchscreen driver
Macintosh LC or larger; Elo touchscreen.
Call for pricing
Elo TouchSystems, Inc.; 105 Randolph Rd.; Oak Ridge, TN 37830; 800-356-8682

Mouse Deluxe — Mac
Three-button input and 500 dpi tracking
Macintosh with ADB port.
$69 retail
MicroSpeed, Inc.; 5005 Brandin Ct.; Fremont, CA 94538; 510-490-1403 or 510-490-1665 (fax)

MouseMan
High-resolution ergonomic mouse
Macintosh SE or larger.
$129 retail; MouseMan
$149 retail; TrackMan
Logitech, Inc.; 6505 Kaiser Dr.; Fremont, CA 94555; 510-795-8500 or 510-792-8901 (fax)

MousePen Pro
Input device
Macintosh with ADP port.
$69 retail
APT, Inc.; 6377 Clark Ave., Ste. 111; Dublin, CA 94568; 510-803-8850, 800-448-1184 or 510-803-1995

MVP Mouse
Trackball
Macintosh Plus or larger.
$149.95
$29.95 retail; MVP Foot Switch
Curtis Manufacturing Co., Inc.; 30 Fitzgerald Dr.; Jaffrey, NH 03452; 603-532-4123, 800-955-5544 or 603-532-4116 (fax)

OmniWand
Portable data collection terminal
Macintosh Plus or larger.
$1,235 retail; OmniWand (complete system varies in price; dependent on the modules selected)
Videx, Inc.; 1105 NE Circle Blvd.; Corvallis, OR 97330; 503-758-0521 or 503-752-5285 (fax)

On-Command
Remote control
Macintosh Plus or larger; System 4.1 or later.
$295 retail
Computer Support Corp.; 15926 Midway Rd.; Dallas, TX 75244; 214-661-8960 or 214-661-5429 (fax)

PenDirect For Macintosh
Input device that provides direct, on-screen interaction
Macintosh LC, Centris, II or Quadra; or PowerBook and Duo Dock (with external monitor).
$498 retail
FTG Data Systems; 8381 Katella Ave., Ste. J; Stanton, CA 90680; 714-995-3900, 800-962-3900 or 714-995-3989 (fax)

Percon Series 10
Bar-code and magnetic stripe reader
Macintosh Plus or larger.
$540 retail; including standard light pen
Percon, Inc.; 1720 Willow Creek Cir., Ste. 530; Eugene, OR 97402; 503-344-1189, 800-873-7266 or 503-344-1399 (fax)

Percon Series 20
Universal bar-code and magnetic stripe reader
Macintosh Plus or larger.
$605 retail; including standard light pen and cable
Percon, Inc.; 1720 Willow Creek Cir., Ste. 530; Eugene, OR 97402; 503-344-1189, 800-873-7266 or 503-344-1399 (fax)

Plusware Extended Keyboard
Keyboard
Macintosh with ADB port.
$99 retail
Plusware Inc.; 7305 Woodbine Ave., Dept. 562; Markham, Ontario, Canada L3R 3V7; 905-477-0015, 800-268-7587 or 905-477-0250 (fax)

Plusware Mini Trackball ADB
Input device
Any Macintosh with an ADB port.
$49 U.S. retail
Plusware Inc.; 7305 Woodbine Ave., Dept. 562; Markham, Ontario, Canada L3R 3V7; 905-477-0015, 800-268-7587 or 905-477-0250 (fax)

Plusware Mouse
Two-button replacement mouse
Macintosh with ADB port.
$39 retail
Plusware Inc.; 7305 Woodbine Ave., Dept. 562; Markham, Ontario, Canada L3R 3V7; 905-477-0015, 800-268-7587 or 905-477-0250 (fax)

Plusware Numeric Keypad
Extended keyboard access for PowerBook users
Macintosh PowerBook; System 6.0.5 or later.
$99 U.S. retail
Plusware Inc.; 7305 Woodbine Ave., Dept. 562; Markham, Ontario, Canada L3R 3V7; 905-477-0015, 800-268-7587 or 905-477-0250 (fax)

PowerPad
Portable key pad for Macintosh PowerBooks
Macintosh PowerBook or any ADB Macintosh; System 7.0 or later.
$115 retail
$175 retail; with QuicKeys 2.0
Sophisticated Circuits, Inc.; 19017 120th Ave. NE, Ste. 106; Bothell, WA 98011; 206-485-7979, 800-827-4669 or 206-485-7172 (fax)

ProPresenter
Wireless, handheld computer remote control
Macintosh SE or larger.
$99 retail
Presentation Electronics, Inc.; 4320 Anthony Ct., Ste. 1; Rocklin, CA 95877; 916-652-9281, 800-888-9281 or 916-652-9286 (fax)

ProPresenter Plus
Wireless, handheld computer remote control
Macintosh SE or larger.
$169 retail
Presentation Electronics, Inc.; 4320 Anthony Ct., Ste. 1; Rocklin, CA 95877; 916-652-9281, 800-888-9281 or 916-652-9286 (fax)

Proxima Cyclops
Presentation pointer
Macintosh Plus or larger; System 6.0 or later.
$749 retail
Proxima Corp.; 9440 Carroll Park Dr.; San Diego, CA 92121; 619-457-5500, 800-447-7694 or 619-457-9647 (fax)

■ **PT2000**
Portable reader
Any Macintosh; serial port.
The PT2000 is a portable, lightweight data collector that allows users to choose the appropriate input device: wand, CCD, 5v. laser or ID badge scanner. It has a 16-character LCD display, including four programmable keys. It offers 1 MB of data storage and has a built-in AT, PS/2 interface so it can be used as a keyboard wedge.
$895 to $1,775 retail
Bear Rock Technologies; 4140 Mother Lode Dr., Ste. 100; Shingle Springs, CA 95682; 916-672-0244, 800-232-7625 or 916-672-1103 (fax)

QueStick
Input device
Macintosh SE or larger; System 6.0 or later.
$79.95 retail
MicroQue; 5211 Greenpine Dr.; Murray, UT 84321; 801-263-1883 or 801-263-2886 (fax)

QuickStick
Joystick/mouse
Macintosh Plus.
$59.95 retail
Kraft Systems, Inc.; 450 W. California Ave.; Vista, CA 92083; 619-724-7146 or 619-941-1770 (fax)

Sayett Smart Remote
Infrared wireless remote control
Macintosh with ADB.
$325 retail; includes transmitter, receiver and cables
Sayett; 17 Tobey Village Office Park; Pittsford, NY 14534; 716-264-9250, 800-678-7469 or 716-264-9265 (fax)

SilentPartner
Wireless remote control
Macintosh Plus or larger, including Portable; System 4.1 or later.
$299 retail

Presentation Electronics, Inc.; 4320 Anthony Ct., Ste. 1; Rocklin, CA 95877; 916-652-9281, 800-888-9281 or 916-652-9286 (fax)

■ **Smart WriteBoard**
Input device
Macintosh with 68020 processor or larger; 120K of free hard disk space; System 7.0 or later.
Users can use the Smart WriteBoard as they would a standard whiteboard. Whatever users write or draw on the WriteBoard is instantly input to their Macintosh or PC. The Smart WriteBoard eliminates the inefficient and annoying practice of taking or transcribing notes during meetings. Users can also cut and paste whiteboard notes in other applications; use the Smart WriteBoard with an E-mail package to send whiteboards; or with a spreadsheet to include notes from a budget meeting with the latest budget analysis. The Smart WriteBoard uses standard dry erase markers and eraser. Output is provided through the computer's printer.
$2,995 U.S. retail
Smart Technologies Inc.; 1177 11th Ave. SW, #600; Calgary, Alberta, Canada T2R 1K9; 403-245-0333 or 403-245-0366 (fax)

Spark Cordless Mouse
Rechargeable input device
Macintosh Plus or larger.
$175 retail
Spark Int'l. Inc.; PO Box 314; Glenview, IL 60025; 708-998-6640 or 708-998-8840 (fax)

Stingray
Trackball
Macintosh Classic or larger.
$99.95 retail
CoStar Corp.; 100 Field Point Rd.; Greenwich, CT 06830; 203-661-9700, 800-426-7827 or 203-661-1540 (fax)

Summagrid IV
Graphics tablet
Macintosh SE or II family.
$1,799 to $2,799 retail; 18 by 24 inches to 44 by 60 inches (opaque)
$6,099 to $6,799 retail; 36 by 48 inches to 44 by 60 inches (backlit)
Summagraphics Corp.; 8500 Cameron Rd.; Austin, TX 78754; 512-835-0900 or 512-873-1329 (fax)

SummaSketch FX ADB
Cordless desktop digitizing tablets
Macintosh SE or larger.
$649 retail; 12 by 12 inches
$1,149 retail; 18 by 12 inches
Summagraphics Corp.; 8500 Cameron Rd.; Austin, TX 78754; 512-835-0900 or 512-873-1329 (fax)

SummaSketch III ADB
Graphics tablets
Macintosh SE or larger.
$599 retail; SummaSketch III ADB
$999 retail; SummaSketch III Professional ADB
Summagraphics Corp.; 8500 Cameron Rd.; Austin, TX 78754; 512-835-0900 or 512-873-1329 (fax)

Thumbelina
Hand-held trackball
Macintosh with ADB port.
$69 retail
APT, Inc.; 6377 Clark Ave., Ste. 111; Dublin, CA 94568; 510-803-8850, 800-448-1184 or 510-803-1995

TimeWand I
Portable bar-code reader
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.
$298 retail; reader
$100 retail; software
$547 retail; complete system
Videx, Inc.; 1105 NE Circle Blvd.; Corvallis, OR 97330; 503-758-0521 or 503-752-5285 (fax)

TimeWand II
Portable bar-code reader
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.
$698 retail; reader, 32K
$350 retail; software
$1,197 retail; complete system
Videx, Inc.; 1105 NE Circle Blvd.; Corvallis, OR 97330; 503-758-0521 or 503-752-5285 (fax)

TouchMonitors
14-, 17- and 19-inch touch monitors
Macintosh LC or larger.
$970 to $2,800 retail; plus controller
Elo TouchSystems, Inc.; 105 Randolph Rd.; Oak Ridge, TN 37830; 800-356-8682

TouchProbe
Portable touch button reader
Macintosh Plus or larger; 2 MB of RAM; hard disk drive.
$395 retail; TouchProbe
$100 retail; software
$673 retail; complete system
Videx, Inc.; 1105 NE Circle Blvd.; Corvallis, OR 97330; 503-758-0521 or 503-752-5285 (fax)

Touchscreen Mouse
NEMA 4 touch screen
Macintosh with ADB port.
$849 retail
CTI Electronics Corp.; 110 Old South Ave.; Stratford, CT 06497; 203-386-9779 or 203-378-4986 (fax)

TPS CCD-300
Integrated CCD scanner
Macintosh SE or larger.
$795 retail
TPS Electronics; 2495 Old Middlefield Way; Mountain View, CA 94043; 415-988-0141, 800-526-5920 or 415-988-0289 (fax)

TPS Electronics
Bar-code reader; magnetic-stripe reader; magnetic-stripe encoder/verifier; portable bar-code system
Any Macintosh.
$369 retail; US-300-02 Bar Code Reader
$349 retail; US-500-02 Magnetic Stripe Reader
$449 retail; US-500/2-02 Dual Track (1 & 2) Magnetic Stripe Reader
$409 retail; US-3000-02 Bar Code/Magnetic Stripe Reader Combination
$2,795 retail; PC-800 motor-driven, three-track Encoder/Verifier
$995 retail; PDCS-300 Personal Data Collection System
TPS Electronics; 2495 Old Middlefield Way; Mountain View, CA 94043; 415-988-0141, 800-526-5920 or 415-988-0289 (fax)

TPS IS-400
Battery-powered bar-code/magnetic stripe reader
Newton MessagePad.
$395 retail
TPS Electronics; 2495 Old Middlefield Way; Mountain View, CA 94043; 415-988-0141, 800-526-5920 or 415-988-0289 (fax)

TPS LM-300
Hand-held laser scanner
Macintosh Classic or larger.
$1,395 retail
TPS Electronics; 2495 Old Middlefield Way; Mountain View, CA 94043; 415-988-0141, 800-526-5920 or 415-988-0289 (fax)

Trakmate Wrist Pad
Wrist pad with built-in, four-button trackball
Macintosh SE or larger.
$149 retail
Key Tronic Corp.; PO Box 14687; Spokane, WA 99214; 509-928-8000, 800-262-6006, 800-348-6006 in Canada or 509-927-5224 (fax)

Troll Technology/Troll Touch
Touchscreen systems
Macintosh SE or larger.
$1,095 and up based on reseller price 2-24 quantity, Troll Touch 14T (Apple Macintosh 14-inch color display)
Troll Technology Corp.; 25020 W. Avenue Stanford; Valencia, CA 91355; 805-295-0770 or 805-295-0771 (fax)

Troll Touch PB
Touchscreen system
Macintosh PowerBook.
$695 retail; per integration
Troll Technology Corp.; 25020 W. Avenue Stanford; Valencia, CA 91355; 805-295-0770 or 805-295-0771 (fax)

Turbo Mouse 4.0
Replacement mouse/trackball device
Macintosh with ADB port; System 6.0.5 or later.
$169.95 retail
Kensington Microware, Ltd.; 2855 Campus Dr.; San Mateo, CA 94403; 415-572-2700, 800-535-4242 or 415-572-9675 (fax)

UD-0608 ArtZ
6 by 8-inch digitized graphics tablet
Macintosh SE or larger; System 6.0 or later.
$449 retail
Wacom Technology, Corp.; 501 SE Columbia Shores Blvd., Ste. 300; Vancouver, WA 98661; 206-750-8882, 800-922-6613 or 206-750-8924 (fax)

Unicorn Keyboards
Input devices for the disabled
Macintosh SE or larger.
$250 to $315 retail
IntelliTools, Inc.; 5221 Central Ave., Ste. 205; Richmond, CA 94804; 510-528-0670, 800-899-6687 or 510-528-2225 (fax)

Uniscan 300
Rugged, industrial grade bar-code reader
Macintosh with ADB port.
$279 retail
Synex; 692 10th St.; Brooklyn, NY 11215; 718-499-6293, 800-447-9639 or 718-768-3997 (fax)

UniScan-300 Series
Bar-code reader
Any Macintosh.
$369 retail
TPS Electronics; 2495 Old Middlefield Way; Mountain View, CA 94043; 415-988-0141, 800-526-5920 or 415-988-0289 (fax)

The UnMouse
Touch tablet to replace the mouse
Macintosh SE or II.
$199 retail
MicroTouch Systems, Inc.; 300 Griffin Park; Methuen, MA 01844; 508-659-9000 or 508-659-9100 (fax)

Wacom Tablets (SD And UD Series)
Graphic tablets
Any Macintosh.
$449 to $3,995 retail
Wacom Technology, Corp.; 501 SE Columbia Shores Blvd., Ste. 300; Vancouver, WA 98661; 206-750-8882, 800-922-6613 or 206-750-8924 (fax)

Hardware & Peripherals/ Memory Expansion

Apple RAM Upgrade Kits
1, 2 and 4 MB memory expansion kits
Macintosh Plus or larger.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

BookRAM
Memory expansion
Macintosh PowerBook.
Call for pricing; dealer/volume pricing available
Computer Care, Inc.; Ford Centre, Ste. 1180; 420 N. 5th St.; Minneapolis, MN 55401; 612-371-0061, 800-950-2273 or 612-371-9342 (fax)

Data Memory Systems SIMMs
1 to 32 MB SIMM modules
Any Macintosh.
Call for pricing

These Products Available Through Bottom Line Distribution
1-800-347-1923

Data Memory Systems Co.; 15 Union St.; Lawrence, MA 01840; 508-683-2325, 800-662-7466 or 508-975-5232 (fax)

■ **First Choice Memory**
Memory expansion
Any Macintosh.
Source International provides memory upgrades for Macintosh computers.
Call for pricing; volume discounts/corporate and university POs are available
Source International; PO Box 488; Menlo Park, CA 94026; 415-323-6059 or 415-326-3552 (fax)

Index 32-Bit SIMMs
Memory upgrades
Macintosh LC III, Centris 610/650 or Quadra 800.
Call for current pricing
Memory Technologies, Texas Inc.; 3007 N. Lamar; Austin, TX 78705; 512-451-2600, 800-950-8411 (orders) or 512-451-3323 (fax)

Index Memory Modules
Memory expansion
Any Macintosh.
Call for pricing
Memory Technologies, Texas Inc.; 3007 N. Lamar; Austin, TX 78705; 512-451-2600, 800-950-8411 (orders) or 512-451-3323 (fax)

Infotek Memory Upgrades
Memory expansion
Any Macintosh.
Call for pricing
Infotek, Inc.; 56 Camille; E. Patchogue, NY 11772; 516-289-9682

Jackie
Versatile memory expansion systems
Macintosh II, IIx or IIcx.
$295 retail
Glanmire Electronics, Ltd.; Glanmire House; Beechwood Close, Bray; Co. Wicklow, Ireland; 01-286-9024 or 01-286-9026 (fax)

Kelly Micro Memory Upgrades
Memory expansion
Any Macintosh.
Call for pricing
Kelly Micro Systems; 25 Musick; Irvine, CA 92718; 714-859-3900, 800-854-3900 or 714-859-6933 (fax)

Kingston Memory Upgrades
Memory expansion
Macintosh Plus or larger.
Call for pricing
Kingston Technology; 17600 Newhope; Fountain Valley, CA 92708; 714-435-2600 or 714-435-2699 (fax)

Lifetime Memory Products
Memory expansion
Any Macintosh or PowerPC.
Call for current pricing
Lifetime Memory Products; 305 17th St.; Huntington Beach, CA 92648; 714-960-2421, 800-233-6233 or 714-960-0638 (fax)

Mac Rescue
Memory expansion
Macintosh Enhanced 128K, 512K or 512KE; 800K floppy disk drive.
$179 retail; without memory (dealer/volume pricing available)
$45 retail; RAM Disk Software
Computer Care, Inc.; Ford Centre, Ste. 1180; 420 N. 5th St.; Minneapolis, MN 55401; 612-371-0061, 800-950-2273 or 612-371-9342 (fax)

MacSIMMiser
30-pin memory converter
Macintosh LC III or Performa 450.
$79.95 to $99.95 retail
Interex Computer Products; 2971 S. Madison; Wichita, KS 67216; 316-524-4747 or 316-524-4636 (fax)

Marco Memory Upgrade Modules
Memory expansion
Macintosh Plus or larger.
Call for current pricing
Marco International, Inc.; 5603 Arapahoe Rd., Ste. 7; Boulder, CO 80303; 303-449-9191, 800-621-4668 or 303-449-9616 (fax)

Memory Upgrade Modules
Memory expansion
Any Macintosh.
Call for pricing
Advanced Computer Products, Inc.; 1310 E. Edinger; Santa Ana, CA 92705; 714-558-8813, 800-366-3227 or 714-558-8849 (fax)

Memory Upgrades
Memory upgrades
Any Macintosh.
Call for pricing
TechWorks; 4030 Braker Ln. W, Ste. 350; Austin, TX 78759; 512-794-8533, 800-688-7466 or 512-794-8520 (fax)

MET Memory SIMMs
Memory expansion
Any Macintosh.
$45 to $799 retail
Micro Electronic Technologies, Inc.; 35 South St.; Hopkinton, MA 01748; 508-435-9057, 800-766-7466 or 508-435-6481 (fax)

MET PowerBook Memory
Memory expansion
Macintosh PowerBook or Duo.
$89 to $450 retail
Micro Electronic Technologies, Inc.; 35 South St.; Hopkinton, MA 01748; 508-435-9057, 800-766-7466 or 508-435-6481 (fax)

Microtech Coyote Memory
Memory expansion
Macintosh PowerBook 140 through 180, including 165c and 180c.
Call for pricing
Microtech International, Inc.; 158 Commerce St.; East Haven, CT 06512; 203-468-6223, 800-626-4276 or 203-467-1856 (fax)

Microtech Memory Expansion Kits
Memory expansion
Macintosh Plus or larger.
Call for pricing
Microtech International, Inc.; 158 Commerce St.; East Haven, CT 06512; 203-468-6223, 800-626-4276 or 203-467-1856 (fax)

Newer 1, 2, 4, 8 And 16 MB 8-Bit SIMMs
Memory expansion
Macintosh Plus or larger.
Call for pricing and a free Macintosh Memory Configuration Guide, which lists all Mac models and the memory options available for each
Newer Technology; 7803 E. Osie, Ste. 105; Wichita, KS 67207; 316-685-4904, 800-678-3726 or 316-685-9368 (fax)

Newer 4, 8, 16 And 32 MB 32-Bit SIMMs
Memory expansion
Macintosh Color Classic II or larger.
Call for pricing and a free Macintosh Memory Configuration Guide, which lists all Mac models and the memory options available for each
Newer Technology; 7803 E. Osie, Ste. 105; Wichita, KS 67207; 316-685-4904, 800-678-3726 or 316-685-9368 (fax)

Newer PowerBook Duo Memory
Memory expansion
Macintosh PowerBook Duo.
Call for pricing and a free Macintosh Memory Configuration Guide, which lists all Mac models and the memory options available for each
Newer Technology; 7803 E. Osie, Ste. 105; Wichita, KS 67207; 316-685-4904, 800-678-3726 or 316-685-9368 (fax)

Newer PowerBook Memory
Memory expansion
Macintosh PowerBook.
Call for pricing and a free Macintosh Memory Configuration Guide, which lists all Mac models and the memory options available for each
Newer Technology; 7803 E. Osie, Ste. 105; Wichita, KS 67207; 316-685-4904, 800-678-3726 or 316-685-9368 (fax)

Newer Video Memory
Video memory expansion
Macintosh Color Classic or larger.
Call for pricing and a free Macintosh Memory Configuration Guide, which lists all Mac models and the video memory options available for each
Newer Technology; 7803 E. Osie, Ste. 105; Wichita, KS 67207; 316-685-4904, 800-678-3726 or 316-685-9368 (fax)

Pac RAM
Memory expansion
Macintosh Portable.
$499 retail; dealer/volume pricing available
Computer Care, Inc.; Ford Centre, Ste. 1180; 420 N. 5th St.; Minneapolis, MN 55401; 612-371-0061, 800-950-2273 or 612-371-9342 (fax)

PB Ram
Memory expansion card
Macintosh PowerBook family.
Call for pricing; dealer/volume pricing available
Shadow Technologies; 1767 Morning Glory Rd.; Livermore, CA 94550; 510-548-0130 or 510-373-7092 (fax)

PNY Memory Upgrades
Memory expansion
Any Macintosh.
Call for pricing
PNY Electronics, Inc.; 200 Anderson Ave.; Moonachie, NJ 07074; 201-438-6300, 800-234-4597 or 201-438-9097 (fax)

Portable Memory
Pseudo-static RAM upgrades
Macintosh Portable.
$179 starting price retail
Dynamic Engineering; 435 Park Dr.; Ben Lomond, CA 95005; 408-336-5531 or 408-336-3840 (fax)

PortaRam
Memory expansion card
Macintosh Portable.
$139 direct; 1 MB
$139 direct; each additional 1 MB
Call for latest pricing
Shadow Technologies; 1767 Morning Glory Rd.; Livermore, CA 94550; 510-548-0130 or 510-373-7092 (fax)

■ **Power MacCache**
Cache memory SIMM for Power Macintosh
Power Macintosh 6100/60, 6100/60AV, 7100/66 or 7100/66 AV.
The Power MacCache is a 256K cache memory SIMM for the 6100/60 and 7100/66 Power Macintosh SIMMs. Unlike adding cache to 680X0 Macintoshes, cache added to the 601 CPU provides an enormous speed improvement. In emulation mode, cache memory accelerates the system dramatically and installs easily into the built-in cache SIMM socket on the Power Macintosh motherboard. It comes with a two-year parts and labor warranty, 30-day money-back guarantee, installation manual and toll-free technical support.
$235 retail
Newer Technology; 7803 E. Osie, Ste. 105; Wichita, KS 67207; 316-685-4904, 800-678-3726 or 316-685-9368 (fax)

Power Macintosh SIMMs
Memory expansion
Macintosh PowerPC.
Call for pricing and a free Macintosh Memory Configuration Guide, which lists all Mac models and the memory options available for each

Newer Technology; 7803 E. Osie, Ste. 105; Wichita, KS 67207; 316-685-4904, 800-678-3726 or 316-685-9368 (fax)

SIMMdoubler II
Doubles the SIMM capacity
Macintosh II, IIx, IIcx, IIci, IIsi or Performa 600.
$139 retail
MicroMac Technology, Inc.; 27121 Aliso Creek Rd., Ste. 125; Aliso Viejo, CA 92656; 714-362-1000 or 714-362-5428 (fax)

SIMMsaver
Builds 72-pin SIMMs out of four 30-pin SIMMs
Macintosh LC III, Centris 610 or 650.
$99 retail
MicroMac Technology, Inc.; 27121 Aliso Creek Rd., Ste. 125; Aliso Viejo, CA 92656; 714-362-1000 or 714-362-5428 (fax)

■ **Simple Technology Memory Upgrades**
Memory expansion
The STA500/n is available in 4, 8, 16 and 32 MB increments for the Macintosh PowerBook 500 series, including the 520, 520c, 540 and 540c. Simple Technology utilizes all new, self-refreshing DRAMs to manufacture the STA500 series of memory modules.
The STA-PCC/n is available in 8, 16, 32 and 64 MB increments for the Macintosh Power PC 6100, 7100 and 8100 series. These kits consist of two non-composite (eight chips per bank maximum), 70ns or faster, and 1-inch profile 72-pin SIMMs.
The STA-CENT/n is available in 4, 8, 16 and 32 MB increments for the Macintosh Centris 600 series and the 72-pin LCs and Performas. These modules are all non-composite (eight chips per bank maximum), 80ns, and 1-inch profile 72-pin SIMMs.
The STA-CAV/n is available in 4, 8, 16 and 32 MB increments for the Centris 600AV series, but will also function in Centris 600 and 72-pin LC and Performa computers. These modules are all non-composite (eight chips per bank maximum), 70ns, and 1-inch profile 72-pin SIMMs.
The STAQ800/n is available in 4, 8, 16 and 32 MB increments for the Macintosh Quadra 600/800, Centris 600AV, Centris 600 and 72-pin LC and Performa computers. These modules are all non-composite (eight chips per bank maximum), 60ns, and 1-inch profile 72-pin SIMMs.
Call for pricing
Simple Technology Inc.; 1801 E. Edinger Ave., Ste. 255; Santa Ana, CA 92705; 714-558-1120, 800-367-7330 or 714-558-0997 (fax)

South Coast Electronics Memory Upgrades
Memory expansion
Macintosh Plus or larger.
Call for pricing
South Coast Electronics; 17662 Irvine Blvd., Ste. 23; Tustin, CA 92680; 800-289-8801 or 714-669-0116 (fax)

Sweet 16 And Sweet 64
Memory upgrade
Macintosh II family.
$525 retail; 16 MB (four 4 MB SIMMs)
$2,495 retail; 64 MB (four 16 MB SIMMs)
Call for latest pricing
Shadow Technologies; 1767 Morning Glory Rd.; Livermore, CA 94550; 510-548-0130 or 510-373-7092 (fax)

Trans International Memory Upgrades
Memory expansion
Any Macintosh.
Trans International, a leading manufacturer of computer memory, carries memory upgrades for all Macintosh platforms. Included are: new upgrades for Quadra 840AV and Centris 660AV (non-composite, low-profile, ultra-thin chips; 32, 16, 8 and 4 MB; 72 pin; 60ns SIMMs); Quadra 800, 605, 610 and 650 (32, 16, 8 and 4 MB; 72 pin); Quadra 950, 900, 700 (32, 16, 8 and 4 MB; 30 pin); Centris, LC 475, Performa line, LC III, IIfx, IIci, IIsi, IIvi and IIvx (32, 16, 8 and 4 MB); PowerBook 140/170, 160/180, 165 (4, 6, 8 and 10 MB); PowerBook 165c/180c (4, 6, 8 and 10 MB); PowerBook Duo 210/230/270c (4, 8, 14 and 20 MB); video RAM 256K; and 512K for all models. FPUs and math coprocessors are also available.
Call for pricing and product catalog
Trans International; 2120 Howell Ave., Ste. 412; Anaheim, CA 92806; 714-634-1583, 800-783-2120 or 714-634-0409 (fax)

Two Step II
Memory board
Macintosh II, IIx, IIcx or IIci.
$30 each retail
Computer Care, Inc.; Ford Centre, Ste. 1180; 420 N. 5th St.; Minneapolis, MN 55401; 612-371-0061, 800-950-2273 or 612-371-9342 (fax)

Two Step LC
Memory expansion
Macintosh LC.
$19.99 each retail
Computer Care, Inc.; Ford Centre, Ste. 1180; 420 N. 5th St.; Minneapolis, MN 55401; 612-371-0061, 800-950-2273 or 612-371-9342 (fax)

Virtual 3.0
Memory expansion
Macintosh SE/30 or II family; PMMU; hard disk drive with 8 MB of free space.
$99 retail
Connectix Corp.; 2600 Campus Dr.; San Mateo, CA 94403; 415-571-5100, 800-950-5880 or 415-571-5195 (fax)

Hardware & Peripherals/ Monitors & Video Accessories

■ **4000TC**
17-inch color monitor
Any Macintosh.
The 4000TC is a 17-inch Trinitron color monitor with color matching control, energy saving capability and an autosensing power supply. It offers a resolution of 1,280 by 1,024 with a non-interlaced refresh rate of 60 Hz with a maximum refresh rate of 76 Hz. The 4000TC provides 0.25mm stripe pitch. The color management system adjusts the color on the screen to match that of a color printer or another monitor. Overscan capability utilizes the entire screen for edge-to-edge display. Microprocessor-based controls offer 15 programmable modes that provide exceptional convenience and flexibility for easier, more precise screen control. The 4000TC comes bundled with Opti-Green Energy and Monitor Saving software. It has a 16-inch viewing display, anti-glare/anti-reflective coating, an ergonomically designed tilt/swivel base and a two-year warranty.
$849 retail
Optiquest Inc.; 20490 Business Pkwy.; Walnut, CA 91789; 909-468-3750, 800-843-6784 or 909-468-3756 (fax)

Accuvue Premier Series
20- and 21-inch auto-scanning color monitors
Macintosh II or larger.
$1,995 retail; Accuvue PS-20
$2,695 retail; Accuvue PS-21
$2,895 retail; Accuvue PS-21A
$2,995 retail; Accuvue PS-21AM
Hitachi America, Ltd.; Office Automation Systems Division; 110 Summit Ave.; Montvale, NJ 07645; 201-573-0774, 800-225-1370 or 201-573-7660 (fax)

■ **AlphaScan 15gx And 15g**
15-inch multifrequency color monitors
Any Macintosh (requires Macintosh adapter).
The AlphaScan 15gx and 15g are 15-inch, high-resolution autosync, EnergyStar-compliant monitors with a horizontal scan rate of 30 to 64 KHz. They feature a flat, square screen, .28mm trio dot pitch, Invar Shadow Mask and are capable of displaying images up to 1,024 by 768 resolution. The 15gx includes a digitally-controlled On-Screen Programmable Display, 20 programmable user modes, edge-to-edge video and a tilt/swivel base. The 15g includes analog controls, edge-to-edge video and tilt/swivel base.
$449 retail; AlphaScan 15gx
$389 retail; AlphaScan 15g
Sampo America; 5550 Peachtree Industrial Blvd.; Norcross, GA 30071; 404-449-6220 or 404-447-1109 (fax)

AlphaScan 17e And 17g
17-inch, multifrequency color monitor
Any Macintosh (requires Macintosh adapter).
$895 retail; AlphaScan 17e
$699 retail; AlphaScan 17g
Sampo America; 5550 Peachtree Industrial Blvd.; Norcross, GA 30071; 404-449-6220 or 404-447-1109 (fax)

AlphaScan LC
20-inch, multifrequency color monitor
Any Macintosh (requires Macintosh adapter).
$1,195 retail
Sampo America; 5550 Peachtree Industrial Blvd.; Norcross, GA 30071; 404-449-6220 or 404-447-1109 (fax)

AlphaScan LE
20-inch, multifrequency color monitor
Any Macintosh (requires Macintosh adapter).
$1,695 retail
Sampo America; 5550 Peachtree Industrial Blvd.; Norcross, GA 30071; 404-449-6220 or 404-447-1109 (fax)

AlphaScan SE
14-inch autosyncing color display
Any Macintosh (requires Macintosh adapter).
$349 retail
Sampo America; 5550 Peachtree Industrial Blvd.; Norcross, GA 30071; 404-449-6220 or 404-447-1109 (fax)

■ **AM-2752A**
27-inch autoscanning color monitor
Macintosh II or larger.
The AM-2752A is a 29-inch (27-inch viewable) high-quality presentation monitor for either video- or computer-generated images. The monitor can accommodate a broad spectrum of sources through inputs for analog RGB, S-VHS, all-world composite video standards and stereo audio. With an auto-scanning range of 15.6 to 39 KHz horizontal, the AM-2752A can display 640 by 480 non-interlaced resolutions and edge-to-edge focus is enhanced by a CRT equipped with an Invar shadow mask and Mitsubishi's Dynamic Beam Focus feature. Additional features include: high-contrast, 110-degree deflection angle CRT; 0.76mm stripe pitch in the center; two detachable stereo speakers; five watts-per-channel audio amplifier and external speaker outputs; and on-screen display of all set-up functions. Free Apple adapters are available, and a 90-day parts and labor (one-year parts) warranty is provided.
$3,500 retail
Mitsubishi Electronics America, Inc.; 5665 Plaza Dr.; PO Box 6007; Cypress, CA 90630; 714-220-2500, 800-843-2515, 800-344-6352 or 714-236-6172 (fax)

■ **AM-3151A**
31-inch autoscanning color monitor
Macintosh II or larger.
The AM-3151A is geared towards video-oriented presentation applications where exceptional picture performance and large-screen viewability are paramount. The 33-inch (31-inch viewable) display boasts multiple composite video and S-Video inputs with corresponding audio inputs for versatility. The AM-3151A offers multiple analog RGB inputs and an auto-scanning range of 15.6 to 36 KHz that supports computer-generated resolutions of 640 by 480 non-interlaced. Additional features include: high-contrast, 110-degree deflection angle CRT; 0.83mm stripe pitch in the center; two detachable stereo speakers; five watts-per-channel audio amplifier and external speaker outputs; and Dynamic Beam Forming. Free Apple adapters are available, and a 90-day parts and labor (one-year parts) warranty is provided.

These Products Available Through Bottom Line Distribution
1-800-347-1923

$4,689 retail
Mitsubishi Electronics America, Inc.; 5665 Plaza Dr.; PO Box 6007; Cypress, CA 90630; 714-220-2500, 800-843-2515, 800-344-6352 or 714-236-6172 (fax)

■ **AM-3501R/AM-4201R**
35- and 42-inch autoscanning color monitors
Macintosh II or larger.
The AM-3501R is a 37-inch (35-inch viewable) monitor. Its 15 to 35.5 KHz horizontal auto-scanning range supports 640 by 480 non-interlaced computer-generated resolutions and its three composite video and one S-Video inputs, each with programmable memory, make multiple-source presentations easy. The AM-3501R boasts a high-contrast, 110-degree deflection angle CRT; 1.0mm strip pitch center; Dynamic Beam Forming; 33-function wireless remote control; two detachable stereo speakers; five watts-per-channel audio amplifier and external speaker outputs; and on-screen display of all setup functions.
The AM-4201R is a 42-inch (40-inch viewable) monitor. The unit's microprocessor-based 15.75/20 to 64 KHz auto-scan range supports a 1,280 by 1,024 non-interlaced resolution and video standards, including 16.9 aspect HDTV. Additional features include: high-contrast, wide-aperture CRT; Dynamic Beam Forming; removable front-facing stereo speakers and external speaker outputs; wireless, multifunction remote control; on-screen display of all setup functions; and all-world power supply.
Call for pricing
Mitsubishi Electronics America, Inc.; 5665 Plaza Dr.; PO Box 6007; Cypress, CA 90630; 714-220-2500, 800-843-2515, 800-344-6352 or 714-236-6172 (fax)

AM-4201R
42-inch autoscanning color monitor
Macintosh II or larger.
$13,000 retail
Mitsubishi Electronics America, Inc.; Professional Electronics Div.; 800 Cottontail Ln.; Somerset, NJ 08873; 908-563-9889, 800-733-8439 or 908-563-0713 (fax)

AM-70
17-inch color monitor
Macintosh II or larger.
$1,075 retail
CD Solutions; 2551 San Ramon Valley Blvd., Ste. 214; San Ramon, CA 94583; 510-820-5400 or 510-820-4115 (fax)

AM/817E
17-inch color display
Macintosh II.
$839 direct
Amdek; 3471 N. First St.; San Jose, CA 95134; 800-722-6335 or 800-742-6335 (fax)

Apple AudioVision 14 Display
14-inch computer display with integrated audio and video capabilities
Macintosh II, LC, Centris, Quadra or PowerBooks (with video out).
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Apple Computer Monitors And Video Accessories
Monochrome monitor, color monitor, video card, video card expansion kit
Macintosh II.
Call for pricing; Apple Color Plus 14-inch Display
Call for pricing; Macintosh 14-inch Color Display
Call for pricing; Apple Multiple Scan 20 Display
Call for pricing; Apple Multiple Scan 17 Display
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

The ARTI Media Control Network
Gives users frame-accurate control of video devices
Macintosh Plus or larger.
$200 to $1,795 retail; per controller
Advanced Remote Technologies, Inc. (ARTI); 307 Orchard City Dr., Ste. 204; Campbell, CA 95008; 408-374-9044 or 408-374-3623 (fax)

ASK Flat-Screen Color LCD Monitor
LCD flat-panel monitor supporting 24-bit color at 640 by 480 resolution
Macintosh LC or II family (Macintosh PowerBook with monitor adapter).
$5,995 retail
ASK LCD, Inc.; 55 Cambridge St., Ste. 102; Burlington, MA 01803; 617-270-5577

BCD-5000
Video tape/disc animation controller
Macintosh Plus or larger.
$1,995 retail
BCD Associates, Inc.; 128 NW 67th St.; Oklahoma City, OK 73116; 405-843-4574 or 405-840-3147 (fax)

The Big 23-Inch Mac Monitor
High-resolution, 23-inch monochrome video monitor
Any Macintosh.
$1,595 retail; includes external video card and cable
PDS Video Technology, Inc.; 7700 NE 8th Ct.; Boca Raton, FL 33487; 407-994-9588

BookView Imperial
External video adapters
Macintosh PowerBook 140, 145 or 170.
$1,189 retail
Dealer/volume pricing available
Computer Care, Inc.; Ford Centre, Ste. 1180; 420 N. 5th St.; Minneapolis, MN 55401; 612-371-0061, 800-950-2273 or 612-371-9342 (fax)

BookView Imperial-16
16-bit video upgrade
Macintosh PowerBook 140, 145 or 170; System 7.0 or later.
$1,549 retail
Computer Care, Inc.; Ford Centre, Ste. 1180; 420 N. 5th St.; Minneapolis, MN 55401; 612-371-0061, 800-950-2273 or 612-371-9342 (fax)

BTM Black & White 14-Inch High Resolution Monitor
Black and white monitor; enlarges Mac's screen
Any Macintosh, except II.
$440 retail; includes video interface and cables (MPR2 low emissions compliance and ADB touch screen are optional)
Business Technology Manufacturing, Inc.; 42-20 235th St.; Douglaston, NY 11363; 718-229-8080

BTM Low Emissions 19-Inch Color Monitor With Touch Screen
19-inch color monitor
Macintosh LC, II or larger.
$3,750 retail; with touch screen
$3,195 retail; without touch screen
Business Technology Manufacturing, Inc.; 42-20 235th St.; Douglaston, NY 11363; 718-229-8080

Calibrator 7000 Series
Color imaging display
Macintosh II, IIsi, IIci, IIfx or Quadra.
$7,790 retail; includes CalibratorTalk
BARCO, Inc.; Monitor Division; 1000 Cobb Place Blvd.; Kennesaw, GA 30144; 404-590-7900 or 404-590-8042 (fax)

■ **CD-1401**
14-inch color monitor
Any Macintosh with built-in video.
The CD-1401 monitor is an ideal 14-inch monitor for users looking to do output of NTSC, PAL and VGA. With a .28mm dot pitch CRT and up to 800 by 600 resolution, the CD-1401 delivers crisp, brilliant images with exceptional detail. The non-glare screen provides full-screen images side to side and top to bottom for edge-to-edge display. Versatile scanning capability lets users interface with all compatible video adapter standards and automatically syncs to a wide range of frequencies.
$599 retail
CD Solutions; 2551 San Ramon Valley Blvd., Ste. 214; San Ramon, CA 94583; 510-820-5400 or 510-820-4115 (fax)

CM1760LR And CM2070LR
17- and 20-inch color monitors
Any color-capable Macintosh; System 6.0.3 or later.
$1,499 retail; CM1760LR
$2,999 retail; CM2070LR
Seiko Instruments USA, Inc.; 1130 Ringwood Ct.; San Jose, CA 95131; 408-922-5900, 800-533-5312 or 408-922-5835 (fax)

Color MicroDock
Allows users to add the functionality of a desktop Mac when traveling with their Duo
Macintosh PowerBook Duo.
$345 retail
Newer Technology; 7803 E. Osie, Ste. 105; Wichita, KS 67207; 316-685-4904, 800-678-3726 or 316-685-9368 (fax)

ColorBlaster LC
Adds 16-bit color and screen zoom option
Macintosh LC, LC II or Performa 400/405/430.
$149 retail
DGR Technologies; 1219 W. 6th St., Ste. 205; Austin, TX 78703; 512-476-9855, 800-235-9748 or 512-476-6399 (fax)

ColorMax Turbo
24-bit color display adapter
Macintosh NuBus, except Centris 610.
$999 retail
Sigma Designs; 47900 Bayside Pkwy.; Fremont, CA 94538; 510-770-0100, 800-845-8086 or 510-770-2640 (fax)

CP10
Networked control panel for TC400D TBC/D2 controller
Macintosh Plus or larger; TC400D.
$2,500 retail
Ensemble Designs; PO Box 993; Grass Valley, CA 95945; 916-478-1830 or 916-478-1832 (fax)

CPD-1320
14-inch Trinitron color monitor
Macintosh LC.
$429.95 retail
Sony Electronics Inc.; Computer Peripheral Products Co.; 3300 Zanker Rd.; San Jose, CA 95134; 408-432-0190, 800-352-7669 or 408-955-5169 (fax)

CPD-1430
14-inch multiscan Trinitron color monitor
Macintosh II or larger.
$669.95 retail
Sony Electronics Inc.; Computer Peripheral Products Co.; 3300 Zanker Rd.; San Jose, CA 95134; 408-432-0190, 800-352-7669 or 408-955-5169 (fax)

CPD-1730
17-inch multiscan Trinitron color monitor
Macintosh II or larger.
$1,329.95 retail
Sony Electronics Inc.; Computer Peripheral Products Co.; 3300 Zanker Rd.; San Jose, CA 95134; 408-432-0190, 800-352-7669 or 408-955-5169 (fax)

Diamond Pro 17
17-inch color monitor
Macintosh II, LC, Centris or Quadra (1,024 by 768).
$1,199 retail
Mitsubishi Electronics America, Inc.; 5665 Plaza Dr.; PO Box 6007; Cypress, CA 90630; 714-220-2500, 800-843-2515, 800-344-6352 or 714-236-6172 (fax)

Diamond Pro 21FS
21-inch auto-scanning, flat square color monitor
Macintosh LC, II, Centris or Quadra.
$2,335 retail
Mitsubishi Electronics America, Inc.; 5665 Plaza Dr.; PO Box 6007; Cypress, CA 90630; 714-220-2500, 800-843-2515, 800-344-6352 or 714-236-6172 (fax)

Diamond Pro 21T
21-inch color monitor
Macintosh II, LC, Centris or Quadra.
$2,525 retail

Mitsubishi Electronics America, Inc.; 5665 Plaza Dr.; PO Box 6007; Cypress, CA 90630; 714-220-2500, 800-843-2515, 800-344-6352 or 714-236-6172 (fax)

Diamond Pro 26H
26-inch auto-scanning color monitor
Macintosh II, LC, Centris or Quadra.
$10,999 retail
Mitsubishi Electronics America, Inc.; 5665 Plaza Dr.; PO Box 6007; Cypress, CA 90630; 714-220-2500, 800-843-2515, 800-344-6352 or 714-236-6172 (fax)

Diamond Pro 26M
26-inch color monitor
Macintosh II, LC, Centris or Quadra.
$7,550 retail
Mitsubishi Electronics America, Inc.; 5665 Plaza Dr.; PO Box 6007; Cypress, CA 90630; 714-220-2500, 800-843-2515, 800-344-6352 or 714-236-6172 (fax)

■ **Diamond Pro 29**
29-inch auto-scanning monitor
Macintosh II or larger.
The Diamond Pro 29 is a high-performance presentation monitor for small- to medium-scale applications. The multiplatform, multisignal 29-inch (27-inch viewable) monitor supports computer- or video-generated resolutions up to 1,280 by 1,024 non-interlaced with an auto-scanning range of 15 to 82 KHz horizontal and is compatible with Apple graphics standards, as well as S-VHS, NTSC, M-NTSC, PAL and SECAM video formats. Additional features include: high-contrast CRT with anti-static coating; inputs for analog RGB, S-VHS, all-world composite video standards and stereo sources; side-facing, amplified stereo speakers and external speaker outputs; wireless, multifunction remote control; on-screen display of all setup functions; digital scan mode memory with 15 sets of display setup parameters; all-world power supply; free Apple adapters available; and a 90-day parts and labor (one-year parts) warranty.
$4,699 retail
Mitsubishi Electronics America, Inc.; 5665 Plaza Dr.; PO Box 6007; Cypress, CA 90630; 714-220-2500, 800-843-2515, 800-344-6352 or 714-236-6172 (fax)

Diamond Pro 37
37-inch auto-scanning color monitor
Macintosh II, LC, Centris or Quadra (1,024 by 768).
$9,999 retail
Mitsubishi Electronics America, Inc.; 5665 Plaza Dr.; PO Box 6007; Cypress, CA 90630; 714-220-2500, 800-843-2515, 800-344-6352 or 714-236-6172 (fax)

Diamond Pro SVGA
14-inch auto-scanning color monitor
Macintosh LC or II.
$360 retail
Mitsubishi Electronics America, Inc.; 5665 Plaza Dr.; PO Box 6007; Cypress, CA 90630; 714-220-2500, 800-843-2515, 800-344-6352 or 714-236-6172 (fax)

Diamond Scan 15FS
15-inch auto-scanning, flat square color monitor
Macintosh LC, II, Centris or Quadra.
$469 retail
Mitsubishi Electronics America, Inc.; 5665 Plaza Dr.; PO Box 6007; Cypress, CA 90630; 714-220-2500, 800-843-2515, 800-344-6352 or 714-236-6172 (fax)

Diamond Scan 16
16-inch auto-scanning color monitors
Macintosh LC, II, Centris or Quadra (832 by 624).
$939 retail
Mitsubishi Electronics America, Inc.; 5665 Plaza Dr.; PO Box 6007; Cypress, CA 90630; 714-220-2500, 800-843-2515, 800-344-6352 or 714-236-6172 (fax)

Diamond Scan 17FS
17-inch auto-scanning, flat square color monitor
Macintosh LC, II, Centris or Quadra.
$1,069 retail
$19.95 retail; Diamond Control
Mitsubishi Electronics America, Inc.; 5665 Plaza Dr.; PO Box 6007; Cypress, CA 90630; 714-220-2500, 800-843-2515, 800-344-6352 or 714-236-6172 (fax)

Diamond Scan 20 Plus
20-inch auto-scanning color monitor
Macintosh II, LC, Centris or Quadra.
$2,075 retail
Mitsubishi Electronics America, Inc.; 5665 Plaza Dr.; PO Box 6007; Cypress, CA 90630; 714-220-2500, 800-843-2515, 800-344-6352 or 714-236-6172 (fax)

Diamond Scan 33 And Diamond Scan 37
33- and 37-inch auto-scanning color monitors
Macintosh LC, II, Centris or Quadra.
$4,999 and $6,999 retail
Mitsubishi Electronics America, Inc.; 5665 Plaza Dr.; PO Box 6007; Cypress, CA 90630; 714-220-2500, 800-843-2515, 800-344-6352 or 714-236-6172 (fax)

DisplayServer II
1-bit monochrome display card
Macintosh II family; System 6.0.3/Finder 6.1 or later.
$349 suggested retail
Lapis Technologies, Inc.; 1100 Marina Village Pkwy., Ste. 100; Alameda, CA 94501; 510-748-1600, 800-435-2747 or 510-748-1645 (fax)

DisplayServer PDS/30
1-bit monochrome display card
Macintosh SE/30 or IIsi; System 6.0.3/Finder 6.1 or later.
$349 suggested retail
Lapis Technologies, Inc.; 1100 Marina Village Pkwy., Ste. 100; Alameda, CA 94501; 510-748-1600, 800-435-2747 or 510-748-1645 (fax)

DisplayServer Plus, Classic, LC, SE
1-bit monochrome display cards
Macintosh Classic or larger; System 6.0.2/Finder 6.1 or later.
$349 each suggested retail
Lapis Technologies, Inc.; 1100 Marina Village Pkwy., Ste. 100; Alameda, CA 94501; 510-748-1600, 800-435-2747 or 510-748-1645 (fax)

Dome Md Imaging Board
Imaging board
Macintosh II family.
$4,995 retail
Dome Imaging Systems, Inc.; 400 Fifth Ave.; Waltham, MA 02154; 617-895-1155 or 617-895-1133 (fax)

E-Machines E20
Dual-mode color display
Macintosh II, Quadra or Centris with built-in graphics or an E-Machines color graphics card; 32-bit QuickDraw; System 6.0.5 or later.
$1,899 retail
E-Machines, Inc.; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100, 800-344-7274 or 408-541-6150 (fax)

E-Machines EtherDock
Portable docking station
PowerBook Duo.
$699 retail
E-Machines, Inc.; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100, 800-344-7274 or 408-541-6150 (fax)

E-Machines Presentor
Delivers traveling presentations
Macintosh PowerBook Duo.
$499 retail
E-Machines, Inc.; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100, 800-344-7274 or 408-541-6150 (fax)

E-Machines T16 II
16-inch color display system
Macintosh LC, LC II, II, Centris, Performa 600 or Quadra; 32-bit QuickDraw; System 6.0.5 or later.
$1,499 retail
E-Machines, Inc.; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100, 800-344-7274 or 408-541-6150 (fax)

E-Machines T20
20-inch multimode Trinitron color display system
Macintosh II or larger.
$2,899 retail
E-Machines, Inc.; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100, 800-344-7274 or 408-541-6150 (fax)

E-Machines Ultura LX
24-bit color graphics cards with QuickDraw acceleration
Macintosh II or larger; 32-bit QuickDraw; System 6.0.7 or later.
$899 retail
E-Machines, Inc.; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100, 800-344-7274 or 408-541-6150 (fax)

Electrohome ECM1410DMS
14-inch variable scan color monitor
Macintosh II.
$1,195 retail
Electrohome Ltd.; Monitor Division; 809 Wellington St. N; Kitchener, Ontario, Canada N2G 4J6; 519-744-7111 or 519-749-3151 (fax)

Electrohome ECM1420DMS
14-inch variable scan color monitor
Macintosh II.
$895 retail
Electrohome Ltd.; Monitor Division; 809 Wellington St. N; Kitchener, Ontario, Canada N2G 4J6; 519-744-7111 or 519-749-3151 (fax)

Electrohome ECM1560DMS
15-inch variable scan color monitor
Macintosh II.
$1,395 retail
Electrohome Ltd.; Monitor Division; 809 Wellington St. N; Kitchener, Ontario, Canada N2G 4J6; 519-744-7111 or 519-749-3151 (fax)

Electrohome ECM2010DMS
20-inch variable scan color monitor
Macintosh II.
$2,595 retail
Electrohome Ltd.; Monitor Division; 809 Wellington St. N; Kitchener, Ontario, Canada N2G 4J6; 519-744-7111 or 519-749-3151 (fax)

ErgoView 17
17-inch color monitor
Macintosh NuBus.
$1,349 retail
Sigma Designs; 47900 Bayside Pkwy.; Fremont, CA 94538; 510-770-0100, 800-845-8086 or 510-770-2640 (fax)

FlexScan 6500
21-inch multifrequency gray-scale monitor
Macintosh with video card; Nanao MD-C68 video cable; Nanao Universal cable adapter.
$1,299 retail
Nanao USA Corp.; 23535 Telo Ave.; Torrance, CA 90505; 310-325-5202, 800-800-5202 or 310-530-1679 (fax)

FlexScan F340iW
15-inch high-resolution, multifrequency color monitor
Macintosh with video card; Nanao MD-C68 video cable; Nanao Universal cable adapter.
$799 retail
Nanao USA Corp.; 23535 Telo Ave.; Torrance, CA 90505; 310-325-5202, 800-800-5202 or 310-530-1679 (fax)

FlexScan F550i
17-inch high-resolution, multifrequency color monitor
Macintosh with video card; Nanao MD-C68 video cable; Nanao Universal cable adapter.
$1,099 retail
Nanao USA Corp.; 23535 Telo Ave.; Torrance, CA 90505; 310-325-5202, 800-800-5202 or 310-530-1679 (fax)

FlexScan F550iW
17-inch high-resolution, multifrequency color monitor
Macintosh with video card; Nanao MD-C68 video cable; Nanao Universal cable adapter.
$1,199 retail

These Products Available Through Bottom Line Distribution 1-800-347-1923

Nanao USA Corp.; 23535 Telo Ave.; Torrance, CA 90505; 310-325-5202, 800-800-5202 or 310-530-1679 (fax)

FlexScan F560iW
17-inch ultra high-resolution, multifrequency color monitor
Macintosh with video card; Nanao MD-C68 video cable; Nanao Universal cable adapter.
$1,499 retail
Nanao USA Corp.; 23535 Telo Ave.; Torrance, CA 90505; 310-325-5202, 800-800-5202 or 310-530-1679 (fax)

FlexScan F750i
21-inch multifrequency color monitor
Macintosh with video card; Nanao MD-C68 video cable; Nanao Universal cable adapter.
$2,299 retail
Nanao USA Corp.; 23535 Telo Ave.; Torrance, CA 90505; 310-325-5202, 800-800-5202 or 310-530-1679 (fax)

FlexScan F760iW
21-inch high-resolution, multifrequency color monitor
Macintosh with video card; Nanao MD-C68 video cable; Nanao Universal cable adapter.
$2,399 retail
Nanao USA Corp.; 23535 Telo Ave.; Torrance, CA 90505; 310-325-5202, 800-800-5202 or 310-530-1679 (fax)

FlexScan F780iW
21-inch multifrequency color monitor
Macintosh with video card; Nanao MD-C68 video cable; Nanao Universal cable adapter.
$3,999 retail
Nanao USA Corp.; 23535 Telo Ave.; Torrance, CA 90505; 310-325-5202, 800-800-5202 or 310-530-1679 (fax)

FlexScan T560i
17-inch multifrequency color monitor
Macintosh with video card; Nanao MD-C68 video cable; Nanao Universal cable adapter.
$1,899 retail
Nanao USA Corp.; 23535 Telo Ave.; Torrance, CA 90505; 310-325-5202, 800-800-5202 or 310-530-1679 (fax)

FlexScan T660i
20-inch multifrequency color monitor
Macintosh with video card; Nanao MD-C68 video cable; Nanao Universal cable adapter.
$2,699 retail
Nanao USA Corp.; 23535 Telo Ave.; Torrance, CA 90505; 310-325-5202, 800-800-5202 or 310-530-1679 (fax)

GDM-2036S
20-inch multiscan Trinitron color monitor
Macintosh II or larger.
$2,579.95 retail
Sony Electronics Inc.; Computer Peripheral Products Co.; 3300 Zanker Rd.; San Jose, CA 95134; 408-432-0190, 800-352-7669 or 408-955-5169 (fax)

GDM-2038
20-inch multiscan Trinitron color monitor
Macintosh II or larger.
$2,859.95 retail
Sony Electronics Inc.; Computer Peripheral Products Co.; 3300 Zanker Rd.; San Jose, CA 95134; 408-432-0190, 800-352-7669 or 408-955-5169 (fax)

GVM-1311Q
14-inch multiscan computer video monitor
Macintosh II or larger.
Call for pricing
Sony Electronics Inc.; Computer Peripheral Products Co.; 3300 Zanker Rd.; San Jose, CA 95134; 408-432-0190, 800-352-7669 or 408-955-5169 (fax)

GVM-2020
20-inch multiscan computer video monitor
Macintosh II.
Call for pricing
Sony Electronics Inc.; Computer Peripheral Products Co.; 3300 Zanker Rd.; San Jose, CA 95134; 408-432-0190, 800-352-7669 or 408-955-5169 (fax)

Harlequin II
Video display board
Macintosh II or larger; full-size NuBus; 2 MB of RAM.
£1,295 retail; Harlequin II
£1,795 retail; Harlequin and Kingfisher bundle
£1,595 retail; Harlequin and Falcon bundle
Neutral Ltd.; 633 High Rd.; Seven Kings, Ilford; Essex, England 1G3 8RA; 44-81-599-9902 or 44-81-590-6365 (fax)

ICD 451B
20-inch high-resolution color display
Macintosh II.
$3,895 to $3,995 retail
BARCO, Inc.; Monitor Division; 1000 Cobb Place Blvd.; Kennesaw, GA 30144; 404-590-7900 or 404-590-8042 (fax)

ICD 651
20-inch high-resolution color display
Macintosh II.
$3,995 retail
BARCO, Inc.; Monitor Division; 1000 Cobb Place Blvd.; Kennesaw, GA 30144; 404-590-7900 or 404-590-8042 (fax)

ICD 751
20-inch high-resolution color display
Macintosh II.
$4,095 retail
BARCO, Inc.; Monitor Division; 1000 Cobb Place Blvd.; Kennesaw, GA 30144; 404-590-7900 or 404-590-8042 (fax)

Ikegami CT-17A
17-inch color monitor
Macintosh II or Quadra.
$1,995 retail
Ikegami Electronics (U.S.A.), Inc.; 37 Brook Ave.; Maywood, NJ 07607; 201-368-9171

Ikegami CT-20D/CT-20A/CN-20A
20-inch color monitors
Macintosh II or Quadra.
$2,695 retail; CT-20D
$2,995 retail; CT-20A
$1,995 retail; CN-20A
Ikegami Electronics (U.S.A.), Inc.; 37 Brook Ave.; Maywood, NJ 07607; 201-368-9171

■ **Ikegami CT-21B**
21-inch color monitor
Any Macintosh or PowerPC.
The CT-21B is a 21-inch Diamondtron CRT with 0.31mm dot pitch digital control. It has a horizontal frequency of 30 to 81 KHz and a vertical frequency of 50 to 150 Hz with a maximum resolution of 1,600 by 2,280 at 60 Hz. Users can control color temperature control, brightness, contrast, vertical size/position, horizontal size/position, pincushion, vertical and horizontal convergence and picture rotation correction controls. Twelve factory preset resolutions and eight user set resolutions are standard. Optional DM adjust software for Macintosh or Windows allows computer control of monitor functions. The CT-21B is MPRII low emission compliant, EnergyStar compliant and FCC class A.
$2,695 suggested retail
Ikegami Electronics (U.S.A.), Inc.; 37 Brook Ave.; Maywood, NJ 07607; 201-368-9171

Ikegami DM-2010A
20-inch fixed frequency, monochrome monitor
Macintosh II family.
$995 retail
Ikegami Electronics (U.S.A.), Inc.; 37 Brook Ave.; Maywood, NJ 07607; 201-368-9171

■ **Ikegami LC-17**
17-inch flat square monitor
Any Macintosh or PowerPC.
The LC-17 is a 17-inch flat square invar mask CRT with 0.28mm dot pitch and AGRS anti-glare and anti-static face treatment digital control. It has a horizontal frequency of 30 to 64 KHz and a vertical frequency of 55 to 90 Hz. Users can control brightness, contrast, vertical centering/size, horizontal centering/size, pincushion, trapezoid control, picture rotation correction control, manual degaussing and memory recall. The LC-17 is MPRII compliant, EnergyStar compliant and FCC class B.
$1,099 suggested retail
Ikegami Electronics (U.S.A.), Inc.; 37 Brook Ave.; Maywood, NJ 07607; 201-368-9171

Intecolor Color Monitors
14- and 20-inch color monitors
Macintosh II.
$1,995 retail; 14-inch display
$3,595 retail; 20-inch display
Intecolor; 2150 Boggs Rd.; Duluth, GA 30136; 404-623-9145 or 404-623-9163 (fax)

L-TV Pro
Connects a Macintosh computer to a television monitor
Macintosh Color Classic, LC, LC II, LC III, LC 520, Performa 400/405/600, Centris 610/650, II or Quadra family.
$449 retail; L-TV Pro LC
$499 retail L-TV Pro NuBus
$549 retail; L-TV Pro NuBus 7 inch
Lapis Technologies, Inc.; 1100 Marina Village Pkwy., Ste. 100; Alameda, CA 94501; 510-748-1600, 800-435-2747 or 510-748-1645 (fax)

Lapis Full Page Display
15-inch monochrome display
Macintosh Plus or larger.
$479 suggested retail
Lapis Technologies, Inc.; 1100 Marina Village Pkwy., Ste. 100; Alameda, CA 94501; 510-748-1600, 800-435-2747 or 510-748-1645 (fax)

Lapis Full Page Gray Scale Display
15-inch gray-scale monochrome display
Macintosh Plus or larger.
$629 suggested retail
Lapis Technologies, Inc.; 1100 Marina Village Pkwy., Ste. 100; Alameda, CA 94501; 510-748-1600, 800-435-2747 or 510-748-1645 (fax)

Lapis Two Page Display
19-inch monochrome/gray-scale display
Macintosh SE or larger.
$949 suggested retail
Lapis Technologies, Inc.; 1100 Marina Village Pkwy., Ste. 100; Alameda, CA 94501; 510-748-1600, 800-435-2747 or 510-748-1645 (fax)

LeMansGT
24-bit accelerated display interface
Macintosh NuBus; Radius or third-party display; System 7.0 or later.
$2,499 retail
Radius Inc.; 1710 Fortune Dr.; San Jose, CA 95131; 408-434-1010, 800-227-2795 or 408-434-6437 (fax)

Mac 35/VGA 6'
Enables Macintosh computers to connect to a compatible VGA device
Macintosh II family.
$85 retail
Extron Electronics; 13554 Larwin Cir.; Santa Fe Springs, CA 90670; 310-802-8804, 800-633-9876 or 310-802-2741 (fax)

Mac Display
14-inch color monitor
Macintosh II with standard 640 by 480 color card; or Macintosh IIci, IIsi or LC with internal video.
$299 retail
Philips Consumer Electronics Co.; One Philips Dr.; Knoxville, TN 37914; 615-521-4316 or 615-521-3210 (fax)

Mac To VGA Adapter
Macintosh to VGA video adapter
Any Macintosh.
$19 retail
System Connection; 441 E. Bay Blvd.; Provo, UT 84606; 801-373-9800, 800-877-1985 or 801-373-9847 (fax)

Mac/2 DA2
Splitter box
Macintosh II or Quadra family.
$250 retail
Extron Electronics; 13554 Larwin Cir.; Santa Fe Springs, CA 90670; 310-802-8804, 800-633-9876 or 310-802-2741 (fax)

Mac2VGA
Video adapter cable
Macintosh LC or larger.
$20 retail
MicroMac Technology, Inc.; 27121 Aliso Creek Rd., Ste. 125; Aliso Viejo, CA 92656; 714-362-1000 or 714-362-5428 (fax)

Macintosh Display Card 24AC
Accelerated 24-bit NuBus video card
Macintosh II, Centris or Quadra, including PowerBook Duo Dock; System 7.1 or later.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Macintosh Display Card 8•24
Video display card
Macintosh II or Quadra family.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

MacVAC 3.0
Video animation controller
Macintosh II or larger; Intelligent Resources' Video Explorer, Truevision NuVista+ or Radius VideoVision.
$2,000 retail; MacVAC
$2,500 retail; MacVAC-P
$996.50 retail; MacAnim8
Advanced Digital Imaging; Attn: Larry Taylor; 1250 N. Lakeview, Unit O; Anaheim, CA 92807; 714-779-7772 or 714-779-7773 (fax)

MacVGA Switcher
Allows two computers to share a VGA monitor
Macintosh II or larger.
$59.95 retail; specify Macintosh, PC or both
James Engineering, Inc.; 6329 Fairmount Ave.; El Cerrito, CA 94530; 510-525-7350 or 510-525-5740 (fax)

MacVGA; MacComp
Monitor adapters
Macintosh LC or larger.
$25 each retail
James Engineering, Inc.; 6329 Fairmount Ave.; El Cerrito, CA 94530; 510-525-7350 or 510-525-5740 (fax)

Magnavox MagnaScan/17
17-inch, high-resolution analog color display
Macintosh II or Quadra.
$849 retail
Philips Consumer Electronics Co.; One Philips Dr.; Knoxville, TN 37914; 615-521-4316 or 615-521-3210 (fax)

Magnavox MagnaScan/20
20-inch, high-resolution analog color display
Macintosh II or Quadra.
$1,199 retail
Philips Consumer Electronics Co.; One Philips Dr.; Knoxville, TN 37914; 615-521-4316 or 615-521-3210 (fax)

The Max Board
Ultra-high resolution, gray-scale display
Macintosh II family.
$5,995 retail
Dome Imaging Systems, Inc.; 400 Fifth Ave.; Waltham, MA 02154; 617-895-1155 or 617-895-1133 (fax)

Megagraphics ICD-674/ICD-774
29-inch high-resolution color displays
Macintosh II or larger.
$19,995 retail; ICD-674
$19,995 retail; ICD-774
BARCO, Inc.; Monitor Division; 1000 Cobb Place Blvd.; Kennesaw, GA 30144; 404-590-7900 or 404-590-8042 (fax)

Mobius One Page Display-GS
15-inch gray-scale monitor
Macintosh Quadra or larger.
$399 retail
$99 retail; video cards ($199 separately)
Mobius Technologies, Inc.; 5835 Doyle St.; Emeryville, CA 94608; 510-654-0556, 800-523-7933 or 510-654-2834 (fax)

Mobius Two Page Display and Mobius Two Page Display-GS
19-inch gray-scale monitor
Macintosh II or larger; including PowerPC.
$699 retail
$99 retail; video cards for non-BiV Macs ($199 separately)
Mobius Technologies, Inc.; 5835 Doyle St.; Emeryville, CA 94608; 510-654-0556, 800-523-7933 or 510-654-2834 (fax)

Montest-AD16 And Montest-AD24
Computer monitor testers
Macintosh II.
$1,249 to $1,450 retail
Network Technologies, Inc.; 1275 Danner Dr.; Aurora, OH 44202; 216-562-7070, 800-742-8324 or 216-562-1999 (fax)

MultiBuffer DS-2
Digital image store
Macintosh Plus or larger.
$5,200 retail; bundled with Envoy software
$1,000 retail; each option
Ensemble Designs; PO Box 993; Grass Valley, CA 95945; 916-478-1830 or 916-478-1832 (fax)

MultiMode 120
19-inch gray-scale display
Macintosh NuBus.
$1,099 retail; display
$1,299 retail; display with OCLI
$1,299 retail; gray-scale adapter card
$399 retail; monochrome adapter card
Sigma Designs; 47900 Bayside Pkwy.; Fremont, CA 94538; 510-770-0100, 800-845-8086 or 510-770-2640 (fax)

MultiMode 150
19-inch, 150 dpi monochrome/gray-scale display system
Macintosh NuBus.
$2,398 retail
Sigma Designs; 47900 Bayside Pkwy.; Fremont, CA 94538; 510-770-0100, 800-845-8086 or 510-770-2640 (fax)

Multiscan-17se
17-inch Energy-Star compliant multiscan Trinitron color monitor
Macintosh II or larger.
$1,499.95 retail
Sony Electronics Inc.; Computer Peripheral Products Co.; 3300 Zanker Rd.; San Jose, CA 95134; 408-432-0190, 800-352-7669 or 408-955-5169 (fax)

NEC MacFG Color Display Interface Cards
8- and 24-bit display interface cards for MultiSync FG series monitors
Macintosh II or Quadra family; System 6.0.7 or later.
$1,499 retail; MacFG 24X
$599 retail; MacFG 24Xp
NEC Technologies, Inc.; 1255 Michael Dr.; Wood Dale, IL 60191; 708-860-9500

NEC MultiSync 3V
15-inch color monitor
Macintosh II, Quadra, Centris, LC, Performa or PowerBook.
$550 retail
NEC Technologies, Inc.; 1255 Michael Dr.; Wood Dale, IL 60191; 708-860-9500

NEC MultiSync FGe Series
15- and 17-inch color monitors
Macintosh LC, II, Centris, Quadra, Performa or PowerBook Duo Dock/Mini Duo Dock.
$635 retail; 3FGe
$755 retail; 4FGe
$1,155 retail; 5FGe
NEC Technologies, Inc.; 1255 Michael Dr.; Wood Dale, IL 60191; 708-860-9500

NEC MultiSync FGp
17- and 21-inch color monitors
Macintosh II, Quadra, Centris, LC, Performa or PowerBook.
$2,535 retail; 6FGp
$1,455 retail; 5FGp
NEC Technologies, Inc.; 1255 Michael Dr.; Wood Dale, IL 60191; 708-860-9500

■ **Nokia Multigraph**
14-, 15-, 17- and 21-inch Trinitron monitors
Macintosh II or larger.
The Multigraph 445X 21-inch monitor is built around an anti-glare coated Trinitron tube with a 0.26mm aperture grill. It delivers an optimal resolution of 1,600 by 1,200 at 80 Hz and has a horizontal frequency range of 30 to 102 KHz.
The Multigraph 447X 17-inch monitor is built around an anti-glare coated Trinitron tube with a 0.26mm aperture grill. It delivers an optimal resolution of 1,280 by 1,024 at 75 Hz and has a horizontal frequency range of 30 to 82 KHz.
The Multigraph 445M 21-inch monitor is built around an anti-glare coated Trinitron tube with a 0.26mm aperture grill. It delivers an optimal resolution of 1,280 by 1,024 at 72 Hz and has a horizontal frequency range of 30 to 79 KHz.
The Multigraph 449E 15-inch monitor is built around an anti-glare coated Trinitron tube with a 0.28mm aperture grill. It delivers an optimal resolution of 1,024 by 768 at 80 Hz and has a horizontal frequency range of 30 to 62 KHz.
The Multigraph 44BS 14-inch monitor is built around an anti-glare coated Trinitron tube with a 0.28mm aperture grill. It delivers an optimal resolution of 1,024 by 768 at 80 Hz and has a horizontal frequency range of 30 to 62 KHz.
$3,225 retail; 445X 21-inch monitor
$1,250 retail; 447X 17-inch monitor
$2,475 retail; 445M 21-inch monitor
$630 retail; 449E 15-inch monitor
$510 retail; 44BS 14-inch monitor
Nokia Display Products, Inc.; 3000 Bridgeway Blvd.; Sausalito, CA 94965; 415-331-0322, 800-296-6542 or 415-331-0424 (fax)

Nutmeg 19
Dual-page, monochrome display
Macintosh SE or larger.
$1,299 retail
Nutmeg Systems; 25 South Ave.; New Canaan, CT 06840; 203-966-3226, 800-777-8439 or 203-966-7972 (fax)

Nutmeg 30/2 Interface
Links the SE/30 to Apple's two large displays
Macintosh SE/30.
$499 retail
Nutmeg Systems; 25 South Ave.; New Canaan, CT 06840; 203-966-3226, 800-777-8439 or 203-966-7972 (fax)

Nutmeg 30/8 Color Interface
Color video interface
Macintosh SE/30.
$599 retail
Nutmeg Systems; 25 South Ave.; New Canaan, CT 06840; 203-966-3226, 800-777-8439 or 203-966-7972 (fax)

Nutmeg SE Interface
Monochrome video interface
Macintosh SE.
$599 retail
Nutmeg Systems; 25 South Ave.; New Canaan, CT 06840; 203-966-3226, 800-777-8439 or 203-966-7972 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

PageView GS
15-inch, full-page gray-scale display system
Macintosh IIsi, IIci, Quadra, Centris, PowerBook 160/180/165c/Duo.
$599 retail
Sigma Designs; 47900 Bayside Pkwy.; Fremont, CA 94538; 510-770-0100, 800-845-8086 or 510-770-2640 (fax)

PanaSync C1381i
14-inch multifrequency color monitor
Macintosh II.
$699 retail
$39.95 retail; Macintosh adapter cable
Panasonic Communications & Systems Co.; 2 Panasonic Way; Secaucus, NJ 07094; 201-348-7155 or 201-392-6910 (fax)

PanaSync C1395
14-inch multifrequency color monitor
Macintosh II.
$899 retail
$43 retail; Macintosh adapter cable
Panasonic Communications & Systems Co.; 2 Panasonic Way; Secaucus, NJ 07094; 201-348-7155 or 201-392-6910 (fax)

PanaSync C1991
20-inch, high-resolution color monitor
Macintosh II.
$2,695 retail
Panasonic Communications & Systems Co.; 2 Panasonic Way; Secaucus, NJ 07094; 201-348-7155 or 201-392-6910 (fax)

Philips Brilliance 21A
21-inch, high-resolution autoscan color display
Macintosh II or Quadra.
$2,999 retail
Philips Consumer Electronics Co.; One Philips Dr.; Knoxville, TN 37914; 615-521-4316 or 615-521-3210 (fax)

Philips Fast Refresh/20
20-inch, high-resolution autoscan color display
Macintosh II or Quadra.
$2,299 retail
Philips Consumer Electronics Co.; One Philips Dr.; Knoxville, TN 37914; 615-521-4316 or 615-521-3210 (fax)

PixelStore
Real-time video storage and playback
Macintosh II family; 4 MB of RAM.
$2,690 and up retail
Perceptics Corp.; 725 Pellissippi Pkwy.; Knoxville, TN 37932; 615-966-9200 or 615-966-9330 (fax)

Platinum 21 Two-Page Display
21-inch gray-scale/monochrome two-page display
Macintosh II or larger; including Power Macintosh.
$1,199 retail
SuperMac Technology; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100 or 800-541-7680 (fax-back information system)

PowerBase I
External SCSI adapter for monochrome displays
Macintosh Classic II or PowerBook.
$599 suggested retail
Lapis Technologies, Inc.; 1100 Marina Village Pkwy., Ste. 100; Alameda, CA 94501; 510-748-1600, 800-435-2747 or 510-748-1645 (fax)

PR Backlite
Electroluminescent backlight upgrade kit for the original Macintosh Portable
Macintosh Portable.
$495 retail
Shadow Technologies; 1767 Morning Glory Rd.; Livermore, CA 94550; 510-548-0130 or 510-373-7092 (fax)

PrecisionColor Display/17
17-inch, microprocessor-controlled Trinitron display
Macintosh LC, Centris, II, Quadra or PowerBook family.
$1,299 retail
Radius Inc.; 1710 Fortune Dr.; San Jose, CA 95131; 408-434-1010, 800-227-2795 or 408-434-6437 (fax)

PrecisionColor Display/21
21-inch, microprocessor-controlled, two-page color display
Macintosh Centris, Quadra, AV or Power Macintosh.
$2,499 retail
Radius Inc.; 1710 Fortune Dr.; San Jose, CA 95131; 408-434-1010, 800-227-2795 or 408-434-6437 (fax)

pro:MC
Professional media controller
Macintosh Plus or larger.
$1,295 retail
Advanced Remote Technologies, Inc. (ARTI); 307 Orchard City Dr., Ste. 204; Campbell, CA 95008; 408-374-9044 or 408-374-3623 (fax)

ProColorServer
8-, 16- and 24-bit color display cards
Macintosh LC, LC II, LC III, LC 520, Centris 650, Color Classic, SE/30, IIx, Performa or Quadra; System 6.0.7 or later.
$399 retail; ProColorServer 8
$499 retail; ProColorServer 8•16
$599 retail; ProColorServer 24
$699 retail; ProColorServer 24x
Lapis Technologies, Inc.; 1100 Marina Village Pkwy., Ste. 100; Alameda, CA 94501; 510-748-1600, 800-435-2747 or 510-748-1645 (fax)

Projection Monitor II
10 by 14-foot monitor
Macintosh 512K or larger.
$3,495 retail
$6,995 retail; Trucolor Projection Monitor
Infotek, Inc.; 56 Camille; E. Patchogue, NY 11772; 516-289-9682

Rack Monitor
Rack mount for monitors
13-inch RGB or monochrome monitor or equivalent.
$265 retail
Specialized Computer Systems; 4016 Quartz Dr.; Santa Rosa, CA 95405; 707-539-9003

Radius Full Page Display/gs
15-inch portrait monochrome display
Macintosh Classic or larger.
$599 retail
Radius Inc.; 1710 Fortune Dr.; San Jose, CA 95131; 408-434-1010, 800-227-2795 or 408-434-6437 (fax)

Radius IntelliColor Display/20
20-inch color display
Macintosh II or larger.
$2,299 retail
Radius Inc.; 1710 Fortune Dr.; San Jose, CA 95131; 408-434-1010, 800-227-2795 or 408-434-6437 (fax)

Radius Pivot Display Systems
15-inch monochrome, dual-orientation display
Macintosh SE/30, LC III, II or Quadra family.
$699 retail
$299 retail; Pivot Interfaces for SE/30, LC, II and Quadra family
$599 retail; Color Pivot Interfaces for SE/30, LC, IIsi, II and Quadra family
$149 retail; 68882 math coprocessor for LC and IIsi interfaces
Radius Inc.; 1710 Fortune Dr.; San Jose, CA 95131; 408-434-1010, 800-227-2795 or 408-434-6437 (fax)

Radius PrecisionColor Calibrator
Calibrates the gamma and color temperature of displays for accurate on-screen color management
Macintosh II or Quadra family.
$599 retail
Radius Inc.; 1710 Fortune Dr.; San Jose, CA 95131; 408-434-1010, 800-227-2795 or 408-434-6437 (fax)

Radius PrecisionColor Display 20/v
20-inch, microprocessor-controlled, two-page color display
Macintosh II or larger.
$1,999 retail
Radius Inc.; 1710 Fortune Dr.; San Jose, CA 95131; 408-434-1010, 800-227-2795 or 408-434-6437 (fax)

Radius PrecisionColor Interface
8- and 24-bit interface cards for 19-, 20-, and 21-inch displays
Macintosh II or Quadra family.
$1,149 retail; PrecisionColor 24X Interface for IIsi, II, Quadra and Centris family
$599 retail; PrecisionColor 8Xj Interface for II family
$999 retail; PrecisionColor 24Xk Interface for II, Quadra and Centris family
$1,799 retail; PrecisionColor Pro 24X
$599 retail; PrecisionColor 24XP
Radius Inc.; 1710 Fortune Dr.; San Jose, CA 95131; 408-434-1010, 800-227-2795 or 408-434-6437 (fax)

Radius TPD/20gs And TPD/21gs
20- and 21-inch monochrome, two-page displays
Macintosh II or larger.
$999 retail; TPD/20gs
$1,199 retail; TPD/21gs
Radius Inc.; 1710 Fortune Dr.; San Jose, CA 95131; 408-434-1010, 800-227-2795 or 408-434-6437 (fax)

RasterOps 24Mx
24-bit color display adapter
Macintosh Centris 650, II or Quadra family.
$799 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps 24XLi
24-bit color display adapter
Macintosh Centris 650, II or Quadra family.
$2,499 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps 8XL
8-bit color display adapter
Macintosh Centris 650, II or Quadra family.
$599 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps 8XLi
8-bit color display adapter
Macintosh Centris 650, II or Quadra family.
$1,199 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps ClearVue/GSXL
8-bit gray-scale display adapter
Macintosh II family.
$579 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps ClearVue/XL
1-bit monochrome display adapter
Macintosh II family.
$399 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps Color Monitors
20- and 21-inch color monitors
Macintosh II or Quadra family.
$2,999 retail; RasterOps 21-inch Color Display
$1,799 retail; RasterOps 20/20 Multimode Color Display
$2,999 retail; RasterOps/20T Multiscan Color Display
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps CorrectColor Calibrator
Color calibration system
Macintosh Centris, II or Quadra family; 8 MB of RAM; 24-bit display adapter and monitor; 32-bit QuickDraw; block mode display board recommended; Adobe Photoshop 2.0 or later.
$1,999 retail
$1,099 retail; Multiuser CorrectColor Calibrator
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps DuoMate
Turns a PowerBook Duo into a powerhouse desktop computer
Macintosh PowerBook Duo.
$449 retail; DuoMate 8
$599 retail; DuoMate 16sc
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps Horizon 24
24-bit color graphics subsystem
Macintosh II, Centris 650 or Quadra; System 7.0 or later.
$4,999 to $12,499 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps Mono/Gray Scale Monitors
15- and 21-inch monochrome/gray-scale monitors
Macintosh II or Quadra family.
$649 retail; RasterOps ClearView/15 Portrait Display
$1,299 retail; RasterOps 21-inch Monochrome/Gray-Scale Display
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps PaintBoard 8Li
Large-screen, 8-bit color, accelerated display adapter
Macintosh II, Centris 650 or Quadra.
$399 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps PaintBoard Li
24-bit color display adapter
Macintosh Centris 650, II or Quadra family.
$999 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps PaintBoard Lightning
Accelerated 24-bit color display adapter
Macintosh II or larger.
$999 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps PaintBoard Turbo
24-bit color display adapter
Macintosh Centris 650, II or Quadra family.
$1,499 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps PaintBoard Turbo XL
Accelerated 24-bit color display adapter
Macintosh II, Centris or Quadra.
$1,899 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps ProColor 32
32-bit color display adapter
Macintosh Centris 650, II or Quadra family.
$3,999 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

RasterOps Sweet 16 Color Monitor
16-inch color monitor
Macintosh II or Quadra family.
$1,499 retail
RasterOps Corp.; 2500 Walsh Ave.; Santa Clara, CA 95051; 408-562-4200 or 408-562-4065 (fax)

Reference Calibrator 120T/121FS
20- and 21-inch color displays
Macintosh II or larger.
$6,599 retail; 120T
$7,149 retail; 121FS
BARCO, Inc.; Monitor Division; 1000 Cobb Place Blvd.; Kennesaw, GA 30144; 404-590-7900 or 404-590-8042 (fax)

Relax View II
Color video card
Macintosh II or Quadra.
$99 retail; unpopulated 13-inch video board
$149 retail; 8-bit 13-inch video board
$169 retail; unpopulated 19-inch video board
$199 retail; 8-bit 19-inch video board
Relax Technology, Inc.; 3101 Whipple Rd.; Union City, CA 94587; 510-471-6112 or 510-471-6267 (fax)

Relisys Vivid View 16
16-inch analog monitor
Macintosh II, Centris or Quadra.
$799 retail
Relisys; 320 S. Milpitas Blvd.; Milpitas, CA 95035; 408-945-9000 or 408-945-0587 (fax)

Relisys Vivid View RE-1420 And RE-1422
14-inch multiscan color monitors
Macintosh II, Centris or Quadra family.
$329 retail
Relisys; 320 S. Milpitas Blvd.; Milpitas, CA 95035; 408-945-9000 or 408-945-0587 (fax)

ResSetter
Resolution setter
Macintosh II or larger.
$139.95 retail
CD Solutions; 2551 San Ramon Valley Blvd., Ste. 214; San Ramon, CA 94583; 510-820-5400 or 510-820-4115 (fax)

RGB 103E
Computer-video interface
Macintosh II family.
$295 retail
Extron Electronics; 13554 Larwin Cir.; Santa Fe Springs, CA 90670; 310-802-8804, 800-633-9876 or 310-802-2741 (fax)

RGB 105
VGA and Macintosh computer-video interface
Macintosh II or larger.
$495 retail
Extron Electronics; 13554 Larwin Cir.; Santa Fe Springs, CA 90670; 310-802-8804, 800-633-9876 or 310-802-2741 (fax)

RGB 118 Plus
Computer-video interface
Macintosh Plus or larger.
$675 retail
Extron Electronics; 13554 Larwin Cir.; Santa Fe Springs, CA 90670; 310-802-8804, 800-633-9876 or 310-802-2741 (fax)

RGB 202 Plus
Universal TTL/Analog/ECL computer-video interface
Macintosh SE, II or Quadra family.
$1,095 retail
Extron Electronics; 13554 Larwin Cir.; Santa Fe Springs, CA 90670; 310-802-8804, 800-633-9876 or 310-802-2741 (fax)

Sharp LC-10C1U
Color TFT LCD direct view computer monitor
Macintosh II or Quadra family.
$5,995 retail
Sharp Electronics Corp.; LCD Products Group; Sharp Plaza, Mail Stop One; Mahwah, NJ 07430; 201-529-8731, 800-237-4277 or 201-529-9636 (fax)

Sharp QD-100MM
16-million color LCD multimedia monitor
Macintosh II, Quadra or PowerBook/Duo.
$8,895 retail
Sharp Electronics Corp.; LCD Products Group; Sharp Plaza, Mail Stop One; Mahwah, NJ 07430; 201-529-8731, 800-237-4277 or 201-529-9636 (fax)

SilverView Pro
21-inch gray-scale/monochrome display
Macintosh SE/30, NuBus, Centris or Quadra family.
$1,099 retail
$1,299 retail; with OCLI
$549 retail; NuBus gray-scale adapter board
$369 retail; NuBus monochrome adapter board
$369 retail; monochrome PDS adapter board
Sigma Designs; 47900 Bayside Pkwy.; Fremont, CA 94538; 510-770-0100, 800-845-8086 or 510-770-2640 (fax)

■ **SMR2601R**
28-inch multimedia monitor/receiver
Macintosh II or larger.
The SMR2601R is a versatible 28-inch (26-inch viewable) monitor/receiver designed to provide a cost-effective presentation tool that is equally adept at displaying inputs from VCRs, CD players and television signals, as well as Macintosh computers. Features include a 181-channel CATV-compatible tuner; MTS stereo decoder; an auto-scan range of 15.6 to 15.8 and 30 to 36 KHz that allows the unit to display 640 by 480 non-interlaced computer-generated images; high-contrast, 90-degree deflection CRT; 0.82mm stripe pitch; inputs for analog RGB, S-VHS, composite video standards and stereo audio sources; 29-function, wireless remote control; on-screen display of all audio and video setup functions; free Apple adapters available; and a 90-day parts and labor (one-year parts) warranty.
$2,500 retail
Mitsubishi Electronics America, Inc.; 5665 Plaza Dr.; PO Box 6007; Cypress, CA 90630; 714-220-2500, 800-843-2515, 800-344-6352 or 714-236-6172 (fax)

Sony Vbox
Video/computer interface
Macintosh Plus or larger.
$229.95 suggested retail
Sony Electronics Inc.; Computer Peripheral Products Co.; 3300 Zanker Rd.; San Jose, CA 95134; 408-432-0190, 800-352-7669 or 408-955-5169 (fax)

Spark C24NB And C24PDS
24-bit color/gray-scale adapters
Macintosh II family or Quadra.
$1,595 retail
Spark Int'l. Inc.; PO Box 314; Glenview, IL 60025; 708-998-6640 or 708-998-8840 (fax)

Spectrum Autosync Model 9000
20-inch autosync color monitor
Macintosh II or Quadra family.
$1,950 retail
Aydin Controls; 414 Commerce Dr.; Ft. Washington, PA 19034; 215-542-7800 or 215-542-8447 (fax)

Spectrum Power•1152
24-bit color graphics card
Macintosh II or larger.
$1,399 retail
$599 retail; Power DSP Upgrade
SuperMac Technology; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100 or 800-541-7680 (fax-back information system)

Spectrum/24 Series V
24-bit color graphics card
Macintosh II or larger, including Power Macintosh.
$999 retail
SuperMac Technology; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100 or 800-541-7680 (fax-back information system)

Spectrum/8
8-bit color graphics card for large-screen displays
Macintosh II or larger.
$449 retail
SuperMac Technology; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100 or 800-541-7680 (fax-back information system)

Spectrum/8•24 PDQ
8-bit color graphics card
Macintosh II or larger.
$599 retail
SuperMac Technology; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100 or 800-541-7680 (fax-back information system)

SuperMac Thunder/24
24-bit color graphics accelerator
Macintosh II or larger, including Power Macintosh.
$1,999 retail
SuperMac Technology; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100 or 800-541-7680 (fax-back information system)

These Products Available Through Bottom Line Distribution
1-800-347-1923

SuperMatch 17 XL Color Display
17-inch, large-screen color display
Macintosh II or larger; including Power Macintosh.
$1,199 retail
SuperMac Technology; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100 or 800-541-7680 (fax-back information system)

SuperMatch 17•T Trinitron Display
17-inch Trinitron display
Macintosh II or larger, including Power Macintosh.
$1,249 retail
SuperMac Technology; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100 or 800-541-7680 (fax-back information system)

SuperMatch 20 Plus Color Display
20-inch color display
Macintosh II or larger, including Power Macintosh.
$1,949 retail
SuperMac Technology; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100 or 800-541-7680 (fax-back information system)

SuperMatch 20•T XL
Multimode Trinitron color display
Macintosh II or larger, including Power Macintosh.
$2,399 retail
SuperMac Technology; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100 or 800-541-7680 (fax-back information system)

SuperMatch 21 Two-Page Color Display
21-inch two-page display
Macintosh II or larger, including Power Macintosh.
$2,599 retail
SuperMac Technology; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100 or 800-541-7680 (fax-back information system)

SuperMatch 21•TXL
21-inch color display
Macintosh II or larger, including Power Macintosh.
Call for pricing
SuperMac Technology; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100 or 800-541-7680 (fax-back information system)

SuperMatch Display Calibrator
Professional color-matching system
Macintosh II or larger, including Power Macintosh.
$399 retail
SuperMac Technology; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100 or 800-541-7680 (fax-back information system)

SW 2 Mac
Video switcher
Macintosh II family.
$360 retail
Extron Electronics; 13554 Larwin Cir.; Santa Fe Springs, CA 90670; 310-802-8804, 800-633-9876 or 310-802-2741 (fax)

TC400D
Four-channel TBC/D2 controller
Macintosh Plus or larger; Studio Controller.
$3,000 retail
Ensemble Designs; PO Box 993; Grass Valley, CA 95945; 916-478-1830 or 916-478-1832 (fax)

Thunder II GX Family
24-bit color graphics cards
Macintosh II or larger, including Power Macintosh.
$3,999 retail; Thunder II•1600
$3,299 retail; Thunder II•1360
$2,599 retail; Thunder II•1152
SuperMac Technology; 215 Moffett Park Dr.; Sunnyvale, CA 94089; 408-541-6100 or 800-541-7680 (fax-back information system)

ToasterLink
Broadcast-quality video
Macintosh LC or larger; 4 MB of RAM; hard disk drive; System 7.0 or later.
$595 retail
NewTek, Inc.; 215 SE 8th St.; Topeka, KS 66603; 913-231-0100, 800-847-6111 or 913-231-0101 (fax)

TV-3
Video display board
Any Macintosh with full-sized NuBus slot.
$595 retail
Scion Corp.; 152 W. Patrick St.; Frederick, MD 21701; 301-695-7870 or 301-695-0035 (fax)

TwinSplit, QuadSplit, HexiSplit, OctoSplit and DeciSplit For Mac
Distribution amplifiers
Macintosh II or larger.
$295 to $1,095 retail
Communications Specialties, Inc.; 89A Cabot Ct.; Hauppauge, NY 11787; 516-273-0404 or 516-273-1638 (fax)

UltraView Video System
Color video system
Macintosh II family.
$4,995 retail
Nutmeg Systems; 25 South Ave.; New Canaan, CT 06840; 203-966-3226, 800-777-8439 or 203-966-7972 (fax)

Venice 640
24-bit color graphics card
Macintosh II family; System 6.03 or later.
£99 retail
Neutral Ltd.; 633 High Rd.; Seven Kings, Ilford; Essex, England 1G3 8RA; 44-81-599-9902 or 44-81-590-6365 (fax)

Video Distribution Amplifier
Video switcher
Macintosh Plus or larger.
$495 retail
Mark of the Unicorn, Inc.; 1280 Massachusetts Ave.; Cambridge, MA 02138; 617-576-2760 or 617-576-3609 (fax)

Video Explorer
32-bit digital video processing card
Macintosh II family or Quadra; 8 MB of RAM; System 7.
Call for pricing
Intelligent Resources Integrated Systems; 3030 Salt Creek Ln., Ste. 100; Arlington Heights, IL 60005; 708-670-9388 or 708-670-0585 (fax)

Video Switch
Enables multiple Macintoshes to share one monitor and keyboard
Any Macintosh.
$650 to $1,350 retail
Rose Electronics; 10850 Wilcrest, Ste. 900; Houston, TX 77099; 713-933-7673, 800-333-9343 or 713-933-0044 (fax)

ViewSonic 15
15-inch color monitor
Macintosh II or Quadra family.
$525 retail
ViewSonic; 20480 Business Pkwy.; Walnut, CA 91789; 909-869-7976, 800-888-8583 or 909-869-7958 (fax)

ViewSonic 17
17-inch color monitor
Macintosh II or Quadra family.
$1,045 retail
ViewSonic; 20480 Business Pkwy.; Walnut, CA 91789; 909-869-7976, 800-888-8583 or 909-869-7958 (fax)

ViewSonic 17G
17-inch color monitor
Macintosh II or Quadra family.
$945 retail
ViewSonic; 20480 Business Pkwy.; Walnut, CA 91789; 909-869-7976, 800-888-8583 or 909-869-7958 (fax)

ViewSonic 20
20-inch color monitor
Macintosh II or Quadra family.
$1,795 retail
ViewSonic; 20480 Business Pkwy.; Walnut, CA 91789; 909-869-7976, 800-888-8583 or 909-869-7958 (fax)

ViewSonic 21
21-inch color monitor
Macintosh II or Quadra family.
$2,199 retail
ViewSonic; 20480 Business Pkwy.; Walnut, CA 91789; 909-869-7976, 800-888-8583 or 909-869-7958 (fax)

Vopex 2M/4M/8M/16M
Video port expanders
Macintosh II.
$300 to $1,265 retail
Network Technologies, Inc.; 1275 Danner Dr.; Aurora, OH 44202; 216-562-7070, 800-742-8324 or 216-562-1999 (fax)

Vopex-3A12H
12-port video splitter
Macintosh II.
$2,100 retail
Network Technologies, Inc.; 1275 Danner Dr.; Aurora, OH 44202; 216-562-7070, 800-742-8324 or 216-562-1999 (fax)

VS-10
VGA amplifier/splitter
Macintosh II.
$199 retail
Power R Inc.; 1606 Dexter Ave. N; Seattle, WA 98144; 206-547-8000, 800-729-6970 or 206-285-0260 (fax)

XC-3725C
37-inch autoscanning color monitor
Macintosh II or larger.
$9,999 retail
Mitsubishi Electronics America, Inc.; Professional Electronics Div.; 800 Cottontail Ln.; Somerset, NJ 08873; 908-563-9889, 800-733-8439 or 908-563-0713 (fax)

Hardware & Peripherals/ Music

AccuPro MPC PowerAmp Speaker
Two-way, four-speaker system
Macintosh Plus or larger.
$450 retail
Advance Storage Device Corp.; 2720 S. Hardy Dr., Ste. 3; Tempe, AZ 85282; 602-966-8200, 800-726-4622, 800-400-6972 (fax) or 602-966-5166 (fax)

Altec Lansing Multimedia AC10
Computer audio controller
Any Macintosh.
$250 each retail
Altec Lansing Multimedia; PO Box 277; Milford, PA 18337; 717-296-2818, 800-648-6663 or 717-296-1222 (fax)

Altec Lansing Multimedia ACS100.1
Computer speaker pair
Any Macintosh.
$150 per pair retail
Altec Lansing Multimedia; PO Box 277; Milford, PA 18337; 717-296-2818, 800-648-6663 or 717-296-1222 (fax)

Altec Lansing Multimedia ACS150
Computer audio subwoofer
Any Macintosh.
$150 each retail
Altec Lansing Multimedia; PO Box 277; Milford, PA 18337; 717-296-2818, 800-648-6663 or 717-296-1222 (fax)

Altec Lansing Multimedia ACS3
Computer speaker system with subwoofer
Any Macintosh.
$250 retail

Altec Lansing Multimedia; PO Box 277; Milford, PA 18337; 717-296-2818, 800-648-6663 or 717-296-1222 (fax)

Altec Lansing Multimedia ACS300.1
Speaker systems; let users hear digital audio sound
Any Macintosh.
$350 retail
Altec Lansing Multimedia; PO Box 277; Milford, PA 18337; 717-296-2818, 800-648-6663 or 717-296-1222 (fax)

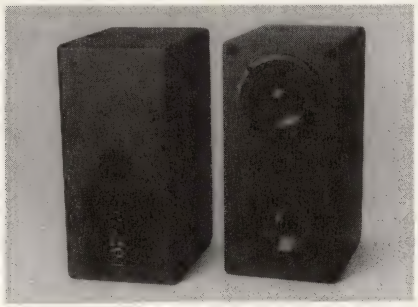
Altec Lansing Multimedia ACS50
Computer speaker system
Any Macintosh.
$100 per system retail
Altec Lansing Multimedia; PO Box 277; Milford, PA 18337; 717-296-2818, 800-648-6663 or 717-296-1222 (fax)

Apple MIDI Interface
One MIDI in-plug and one MIDI out-plug
Macintosh Plus or larger.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

AppleDesign Powered Speakers
High-performance speakers that deliver consistent, high-quality sound
Macintosh Plus or larger.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Audiomedia II
Professional digital recording studio
Macintosh II or Quadra family.
$1,295 retail
Digidesign, Inc.; 1360 Willow Rd., Ste. 101; Menlo Park, CA 94025; 415-688-0600 or 415-688-0777 (fax)

Audix PowerHouse Amplified Speakers
Self-amplified speakers
Macintosh Plus or larger.



The PowerHouse series consists of five models of professional self-amplified speakers for true professional-quality sound. The PH3, PH5, PH6, PH15 and PH25 are all two-way systems producing a deep rich studio level sound with clean, tight bass and smooth, accurate response. Typical features include either 3-inch, 4-inch, 5-inch, 6-inch and dual 5-inch long excursion woofers and a single 3/4-inch polycarbonate dome ferrofluid tweeter. PH series models are available in magnetically shielded and unshielded versions. The advanced PowerHouse amplifiers provide an extremely low distortion rate of just 0.01 THD (Total Harmonic Distortion) in mid-band, delivering the clean, well-defined sound demanded from professional audio equipment. At rated power, other competitively priced brands can have 200 to 300 times more distortion. The small size and big sound of these monitors make them ideal for a number of multimedia applications from home computer games to vital business presentations.
$199-$589 retail; per pair
Audix Corp.; 24981 Calle Arenal; Lake Forest, CA 92630; 714-588-8072, 408-395-1477 or 714-588-8172 (fax)

FAX©NDEMAND 1-800-872-3293 **150**

■ **Bose Loudspeaker Systems**
Speaker systems
Macintosh Plus or larger.
The Bose RoomMate Computer Monitor is a powered speaker system that simply plugs into the headphone jack of any Macintosh computer to produce room-filling sound. A single, built-in volume control conveniently adjusts the volume for the entire system.
The Bose Acoustimass Multimedia Speaker System includes a pair of small, stereo-imaging cube speakers that provide clear, spacious sound and an easily-concealable Acoustimass bass module that produces deep, rich bass with no acoustic hint of its location. The speaker contains its own built-in 100 watt amplifier and can be driven directly from the source, like a videodisc player, CD-ROM or the headphone jack of a Macintosh. The system has multi-input capability and volume control.
$339 per pair retail; Bose RoomMate Computer Monitor
$699 per pair retail; Bose Acoustimass Multimedia Speaker
Bose Corp.; The Mountain; Framingham, MA 01701; 508-879-7330, 800-444-2673 or 508-879-3965 (fax)

CS-1 Control Station
Hardware control interface
Macintosh Plus or larger.
$499 retail
JLCooper Electronics; 12500 Beatrice St.; Los Angeles, CA 90066; 310-306-4131 or 310-822-2252 (fax)

Digital Audio Workstation Nucleus
Digital recording and editing system
Macintosh Plus or larger; hard disk drive.
$13,450 retail
Doremi Labs, Inc.; 3255 Cahuenga Blvd. W, Ste. 101; Los Angeles, CA 90068; 213-874-3411 or 213-874-3401 (fax)

Digital Waveboard
Transforms the Macintosh into a digital recording studio
Macintosh II or larger; 4 MB of RAM; hard disk drive.
$1,495 retail
Mark of the Unicorn, Inc.; 1280 Massachusetts Ave.; Cambridge, MA 02138; 617-576-2760 or 617-576-3609 (fax)

DynaTek Track Series
Rack-mountable subsystems for digital music storage
Macintosh IIci or larger; System 6.0.7 or later.
$1,089 to $9,249 retail
DynaTek Automation Systems Inc.; 200 Bluewater Rd.; Bedford, Nova Scotia, Canada B4B 1G9; 902-832-3000 or 902-832-3010 (fax)

FineLine
Rack-mounted, professional series line mixer
Stand-alone unit.
$299.95 retail
MIDIMAN; 236 W. Mountain St., Ste. 108; Pasadena, CA 91103; 818-449-8838, 800-969-6434 or 818-449-9480 (fax)

Korg Audio Gallery
Multimedia music system
Macintosh Plus or larger; SuperDrive; 2 MB of RAM; hard disk drive; System 6.0.3 or later.
$499 retail
Korg U.S.A. Inc.; 89 Frost St.; Westbury, NY 11590; 516-333-9100 or 516-333-9108 (fax)

The Kyma System
High-level visual language for specifying sounds that are rendered in real time on multiple DSP microprocessors
Macintosh with NuBus; 8 MB of RAM; 6 MB of free hard disk space; System 7.0 or later.
$4,645.17 to $8,751.62 list
The Symbolic Sound Corp.; PO Box 2530; Champaign, IL 61825; 217-355-6273, 800-972-1749 or 217-355-6562 (fax)

Labtec Speakers
Magnetically-shielded speakers
Any Macintosh.
$39.95 to $179.95 retail
Labtec Enterprises, Inc.; 3801 NE 109th Ave., Ste. J; Vancouver, WA 98682; 206-896-2000 or 206-896-2020 (fax)

Mac Syncman
Two In/six Out MIDI interface/sync box
Any Macintosh.
$279.95 retail
MIDIMAN; 236 W. Mountain St., Ste. 108; Pasadena, CA 91103; 818-449-8838, 800-969-6434 or 818-449-9480 (fax)

MacMan
One In/three Out MIDI interface
Any Macintosh.
$59.95 retail
MIDIMAN; 236 W. Mountain St., Ste. 108; Pasadena, CA 91103; 818-449-8838, 800-969-6434 or 818-449-9480 (fax)

MacNexus
MIDI interface
Macintosh Plus or larger.
$69.95 retail
JLCooper Electronics; 12500 Beatrice St.; Los Angeles, CA 90066; 310-306-4131 or 310-822-2252 (fax)

MacSpeaker
High-fidelity speaker system
Macintosh Classic or larger.
Call for pricing
Persona Technologies, Inc.; 274 Wattis Way; South San Francisco, CA 94080; 415-871-6000 or 415-871-6555 (fax)

■ **MacWaveMaker**
Digital audio high-performance MIDI synthesis card
Any Macintosh with NuBus (except Quadra 605).
The MacWaveMaker is an option card that brings Kurzweil's SuperOrchestral, General MIDI and MT32 sounds to any NuBus Macintosh. The card provides an independent MIDI-In port to allow users to feed a keyboard into the system without consuming native serial ports or needing external MIDI adapters. The MacWaveMaker boasts 357 CD-quality melodic instrument sounds, 15 different drum kits with more than 400 percussion sounds and true 32-voice polyphony with 32 simultaneous timbres. The MacWaveMaker responds to MIDI velocity and pitchbend and even supports aftertouch. The daughter card port paves the way for optional enhancements, like timbral editing, IR remote control, SMPTE reading/generation or a high-fidelity headphone amplifier.
$695 retail
Morning Star Solutions; 7 Kings Pine Rd.; Westford, MA 01886; 508-692-0373 or 508-692-6535 (fax)

Magi IIi
Console automation system
Macintosh Plus or larger.
$5,245 starting price retail
JLCooper Electronics; 12500 Beatrice St.; Los Angeles, CA 90066; 310-306-4131 or 310-822-2252 (fax)

Media Control Station
Controls music sequencers, digital audio workstations, multimedia and presentation software, desktop video editing systems
Macintosh Classic or larger.
$269.95 retail
JLCooper Electronics; 12500 Beatrice St.; Los Angeles, CA 90066; 310-306-4131 or 310-822-2252 (fax)

■ **Merge 2X2**
Two in/two out merge box
Stand-alone unit.
Merge 2X2 is a two in/two out MIDI merge box. Features include: MIDI "all notes off message" sent on power up, allowing unit to function as a MIDI "panic button"; no external power supply needed; power indicator LED; built-in DC jack for use with optional power adapter; rugged steel construction; guaranteed for life; and more.
$99.95 retail

These Products Available Through Bottom Line Distribution
1-800-347-1923

MIDIMAN; 236 W. Mountain St., Ste. 108; Pasadena, CA 91103; 818-449-8838, 800-969-6434 or 818-449-9480 (fax)

MIDI Mixer 7s
Seven stereo input line mixer
Macintosh Plus or larger.
$595 retail
Mark of the Unicorn, Inc.; 1280 Massachusetts Ave.; Cambridge, MA 02138; 617-576-2760 or 617-576-3609 (fax)

■ **MIDI Thru 1X4**
Thru box
Stand-alone unit.
MIDI Thru 1X4 has one MIDI In and four MIDI Outs. MIDI Thru 1X4 features include: power from the MIDI In so no external power supply is needed; power indicator LED; built-in DC jack for use with optional power adapter; rugged steel construction; guaranteed for life; a weight of only 10 ounces; and more.
$59.95 retail
MIDIMAN; 236 W. Mountain St., Ste. 108; Pasadena, CA 91103; 818-449-8838, 800-969-6434 or 818-449-9480 (fax)

MIDI Time Piece II
MIDI/Patch Bay/SMPTE interface
Macintosh Plus or larger.
$595 retail
Mark of the Unicorn, Inc.; 1280 Massachusetts Ave.; Cambridge, MA 02138; 617-576-2760 or 617-576-3609 (fax)

MIDI Translator II
MIDI interface
Macintosh Plus or larger; MIDI instrument.
$59.95 retail
Opcode Systems, Inc.; 3950 Fabian Way, Ste. 100; Palo Alto, CA 94303; 415-856-3333 or 415-856-3332 (fax)

■ **MIDI Video Syncman**
Synchronizer/translator
Any Macintosh.
Video Syncman is a universal time code translator that supports VITC, Longitudinal Time Code, MIDI Time Code and has a built-in screen burner. The Video Syncman features: built-in MIDI merger that allows MIDI keyboard information to be merged with MTC sync information while syncing to tape; built-in MIDI control port that allows all Video Syncman functions to be performed from a computer using available desk accessory software; longitudinal time code signal level can be set using trim pot on the back of the unit; and is half-rack size, perfect for rack mounting.
$649.95 retail
MIDIMAN; 236 W. Mountain St., Ste. 108; Pasadena, CA 91103; 818-449-8838, 800-969-6434 or 818-449-9480 (fax)

MiniMacman
One In/one Out MIDI interface
Any Macintosh.
$40 retail
MIDIMAN; 236 W. Mountain St., Ste. 108; Pasadena, CA 91103; 818-449-8838, 800-969-6434 or 818-449-9480 (fax)

MiniMixer
Versatile, digital quality, pocket-sized mixer/preamplifier
Stand-alone unit.
$99.95 retail
MIDIMAN; 236 W. Mountain St., Ste. 108; Pasadena, CA 91103; 818-449-8838, 800-969-6434 or 818-449-9480 (fax)

NoNoise
Digital signal processing system
Macintosh II or Quadra; 8 MB of RAM.
$46,995 retail
Sonic Solutions; 1891 E. Francisco Blvd.; San Rafael, CA 94901; 415-485-4800 or 415-485-4877 (fax)

OTTO-1604
MIDI automation for CR-1604 mixer
Macintosh IIci or larger; 8 MB of RAM: 13-inch monitor; 40 MB hard disk drive.
$849 retail; hardware and software
Mackie Designs Inc.; 20205 144th Ave. NE; Woodinville, WA 98072; 206-487-4333 or 800-258-6883

PPS-2
SMPTE synchronizer
Macintosh Plus or larger.
$169.95 retail
JLCooper Electronics; 12500 Beatrice St.; Los Angeles, CA 90066; 310-306-4131 or 310-822-2252 (fax)

Pro Tools
Multitrack digital audio production system
Macintosh II family; hard disk drive; System 7.0.
$5,995 to $24,495 retail; four to 16 channels
Digidesign, Inc.; 1360 Willow Rd., Ste. 101; Menlo Park, CA 94025; 415-688-0600 or 415-688-0777 (fax)

■ **ProSound**
Speakers
Macintosh Plus or larger.
ProSound Satellite Speakers Systems include: quality wood construction, true stereo dispersion, compatible with all sound cards and systems, superior passive two-way crossover system, shielded drivers for the computer environment, ON/Off and volume control on amplifier allowing placement of speakers for maximum stereo response, no compression circuits in amplifier and upgradeable by adding the optional ProSound subwoofer.
$149.95 to $395.95 retail
Audiophile, Inc.; 7416 Washington Ave. S; Eden Prairie,, MN 55344; 612-944-8227, 800-727-6863 or 612-944-8335 (fax)

Proteus/1 Plus
Pop/rock plus orchestral MIDI sound module
Macintosh Plus or larger; MIDI interface; sequencing software.
$995 retail
E-mu Systems, Inc.; 1600 Green Hills Rd.; Scotts Valley, CA 95067; 408-438-1921 or 408-438-8612 (fax)

Proteus/1 Pop/Rock
MIDI sound module
Macintosh Plus or larger; MIDI interface; sequencing software.
$795 retail
E-mu Systems, Inc.; 1600 Green Hills Rd.; Scotts Valley, CA 95067; 408-438-1921 or 408-438-8612 (fax)

Roland CS-10
Stereo micro monitor amplifier
Macintosh Plus or larger.
$49 retail
Roland Corp. US; 7200 Dominion Cir.; Los Angeles, CA 90040; 213-685-5141 or 213-722-0911 (fax)

Roland CS-30
Powered stereo micro monitor
Macintosh Plus or larger.
$59 retail
Roland Corp. US; 7200 Dominion Cir.; Los Angeles, CA 90040; 213-685-5141 or 213-722-0911 (fax)

Roland MA-12C
Micro monitor
Macintosh Plus or larger.
$145 retail
$249 per pair retail
Roland Corp. US; 7200 Dominion Cir.; Los Angeles, CA 90040; 213-685-5141 or 213-722-0911 (fax)

Roland MA-20
Powered stereo speaker system
Macintosh Plus or larger.
$160 retail
$229 per pair retail
Roland Corp. US; 7200 Dominion Cir.; Los Angeles, CA 90040; 213-685-5141 or 213-722-0911 (fax)

Roland MA-7
Powered stereo speaker system
Macintosh Plus or larger.
$99 per pair retail
Roland Corp. US; 7200 Dominion Cir.; Los Angeles, CA 90040; 213-685-5141 or 213-722-0911 (fax)

Roland PC-200MKII
MIDI controller keyboard (49 key)
Macintosh Plus or larger.
$345 retail
Roland Corp. US; 7200 Dominion Cir.; Los Angeles, CA 90040; 213-685-5141 or 213-722-0911 (fax)

Roland SC-33 Sound Canvas
Sound module
Macintosh Plus or larger.
$675 retail
Roland Corp. US; 7200 Dominion Cir.; Los Angeles, CA 90040; 213-685-5141 or 213-722-0911 (fax)

Roland SC-50 Sound Canvas
Sound module
Macintosh Plus or larger.
$695 retail
Roland Corp. US; 7200 Dominion Cir.; Los Angeles, CA 90040; 213-685-5141 or 213-722-0911 (fax)

Roland SC-55mkII Sound Canvas
Sound module
Macintosh Plus or larger.
$895 retail
Roland Corp. US; 7200 Dominion Cir.; Los Angeles, CA 90040; 213-685-5141 or 213-722-0911 (fax)

Roland SC-7
General MIDI sound module
Macintosh Plus or larger.
$299 retail
Roland Corp. US; 7200 Dominion Cir.; Los Angeles, CA 90040; 213-685-5141 or 213-722-0911 (fax)

Roland SC-88 Super Sound Canvas
Sound module
Macintosh Plus or larger.
$1,095 retail
Roland Corp. US; 7200 Dominion Cir.; Los Angeles, CA 90040; 213-685-5141 or 213-722-0911 (fax)

SampleCell II
16-bit stereo sample playback card
Macintosh II.
$1,995 retail; 0 MB RAM
Digidesign, Inc.; 1360 Willow Rd., Ste. 101; Menlo Park, CA 94025; 415-688-0600 or 415-688-0777 (fax)

SmartSync
Smart Song Pointer sync box
Any Macintosh.
$134.95 retail
MIDIMAN; 236 W. Mountain St., Ste. 108; Pasadena, CA 91103; 818-449-8838, 800-969-6434 or 818-449-9480 (fax)

■ **SMPTE TimeWindow**
Audio/video editing and field recording
Stand-alone unit.
SMPTE TimeWindow is a dedicated display, reader, writer and regenerator for audio/video editing and field recording. TimeWindow features include: half rack size; audio in/out via 1/4-inch mono phone-plug; audio levels at -10db consumer/+4db professional on both input and output; displays standard SMPTE format; reads and writes U-BIT; phase lock to 15 Hz house sync; marks up to eight "hit-points" for recall later; reshapes input to avoid drop-out problems; and more.
$349.95 retail
MIDIMAN; 236 W. Mountain St., Ste. 108; Pasadena, CA 91103; 818-449-8838, 800-969-6434 or 818-449-9480 (fax)

SonicStation II
Digital audio workstation
Macintosh II or Quadra; 8 MB of RAM.
$4,995 retail
Sonic Solutions; 1891 E. Francisco Blvd.; San Rafael, CA 94901; 415-485-4800 or 415-485-4877 (fax)

Sound Advantage Hardware
Adds sound input to any desktop computer
Macintosh Plus or larger; System 6.0.7 or later.
$228 retail

Heart Computer, Inc.; PO Box 607; Rockwall, TX 75087; 214-771-7511 (phone/fax)

Sound Tools II
Stereo, direct-to-disk CD-quality recording and playback system
Macintosh II or Quadra family.
$3,495 retail
Digidesign, Inc.; 1360 Willow Rd., Ste. 101; Menlo Park, CA 94025; 415-688-0600 or 415-688-0777 (fax)

SoundWave
Amplified computer speakers
Any Macintosh with an audio jack.
$29.99 retail
Lightwave Technologies, Inc.; 16595 W. Easton Ave.; Prairie View, IL 60069; 708-634-1700 or 708-634-1880 (fax)

Studio 3
MIDI interface
Macintosh Plus or larger.
$319.95 retail
Opcode Systems, Inc.; 3950 Fabian Way, Ste. 100; Palo Alto, CA 94303; 415-856-3333 or 415-856-3332 (fax)

Studio 4
8-In/10-Out MIDI interface/SMPTE synchronizer
Macintosh Plus or larger; MIDI device(s).
$495 retail
Opcode Systems, Inc.; 3950 Fabian Way, Ste. 100; Palo Alto, CA 94303; 415-856-3333 or 415-856-3332 (fax)

Studio 5LX
MIDI interface with synchronization and patchbay capabilities
Macintosh Plus or larger; MIDI instrument.
$1,195 retail
Opcode Systems, Inc.; 3950 Fabian Way, Ste. 100; Palo Alto, CA 94303; 415-856-3333 or 415-856-3332 (fax)

Syncman Pro
Rack-mounted, professional series synchronization box
Any Macintosh.
$399.95 retail
MIDIMAN; 236 W. Mountain St., Ste. 108; Pasadena, CA 91103; 818-449-8838, 800-969-6434 or 818-449-9480 (fax)

Syncman/Syncman Plus
MIDI sync boxes
Any Macintosh.
$199.95 to $249.95 retail
MIDIMAN; 236 W. Mountain St., Ste. 108; Pasadena, CA 91103; 818-449-8838, 800-969-6434 or 818-449-9480 (fax)

Sync•Link
Interface/synchronizer
Macintosh Plus or larger.
$199.95 retail
JLCooper Electronics; 12500 Beatrice St.; Los Angeles, CA 90066; 310-306-4131 or 310-822-2252 (fax)

Translator Pro
32-channel MIDI interface
Macintosh Plus or larger.
$99.95 retail
Opcode Systems, Inc.; 3950 Fabian Way, Ste. 100; Palo Alto, CA 94303; 415-856-3333 or 415-856-3332 (fax)

TransMidi
Wireless MIDI piggyback
Stand-alone unit.
$499.95 retail
MIDIMAN; 236 W. Mountain St., Ste. 108; Pasadena, CA 91103; 818-449-8838, 800-969-6434 or 818-449-9480 (fax)

Video Time Piece
VITC and LTC synchronizer and character generator
Macintosh Plus or larger; MIDI interface.
$1,195 retail
Mark of the Unicorn, Inc.; 1280 Massachusetts Ave.; Cambridge, MA 02138; 617-576-2760 or 617-576-3609 (fax)

Vintage Keys
Classic analog keyboard MIDI sound module
Macintosh Plus or larger; MIDI interface; sequencing software.
$1,095 retail
E-mu Systems, Inc.; 1600 Green Hills Rd.; Scotts Valley, CA 95067; 408-438-1921 or 408-438-8612 (fax)

Yamaha CBX-D5
Digital recording processor
Macintosh SE/30, Classic II or larger; hard disk drive with an access time of at least 30ms; Mark of the Unicorn's Digital Performer.
$2,995 retail
Yamaha Corporation of America; Digital Musical Instruments; PO Box 6600; Buena Park, CA 90622; 714-522-9011

Yamaha Hello!Music! Package CBX-205
Tone generator and "Player" software; MIDI controller keyboard; monitor speakers
Macintosh Plus or larger; speakers or headphones.
$449 retail; Hello!Music! Package CBX-205
$399.95 retail; CBX-K3 MIDI Controller
$299.95 retail; CBX-S3 Powered Monitor Speakers
Yamaha Corp. of America; Consumer Products Division; PO Box 6600; Buena Park, CA 90622; 714-522-9011 or 714-522-3913 (fax)

Yamaha TG100 Tone Generator
Tone generator with general MIDI conformity and built-in MIDI interface
Macintosh Plus or larger; sequencer program; speakers or headphones.
$449 retail
Yamaha Corporation of America; Digital Musical Instruments; PO Box 6600; Buena Park, CA 90622; 714-522-9011

Hardware & Peripherals/ Power Protection Devices

ACP100BL2
Transient surge protector
Any Macintosh; duplex outlet.
$194 retail
Transtector Systems, Inc.; PO Box 300; Hayden Lake, ID 83835; 800-882-9110 or 208-772-6619 (fax)

Advanced Network UPS
Uninterruptible power system
Any Macintosh.
$999 to $1,599 retail; 900 to 1300 Watts
Sola, A Unit Of General Signal; 1717 Busse Rd.; Elk Grove, IL 60007; 708-439-2800

Back-UPS 250
Uninterruptible power source
Macintosh Plus, Classic, SE, SE/30, IIsi or IIci.
$139 retail
American Power Conversion (APC); PO Box 278; 132 Fairgrounds Rd.; W. Kingstown, RI 02892; 401-789-5735, 800-800-4272 or 401-789-3710 (fax)

Bright-UPS IQ650, IQ800 And IQ1100
Uninterruptible power systems
Macintosh Plus or larger; System 7.0 or later.
$849 to $1,299 retail; Bright-UPS
IntelliPower, Inc.; 10-A Thomas St.; Irvine, CA 92718; 714-587-0155 or 714-587-0230 (fax)

Curtis Command Center Plus
Controls and protects up to five peripherals
Any Macintosh peripheral.
$149.95 each retail
Curtis Manufacturing Co., Inc.; 30 Fitzgerald Dr.; Jaffrey, NH 03452; 603-532-4123, 800-955-5544 or 603-532-4116 (fax)

Curtis New Surge Protectors
Power strips, surge protectors
Any Macintosh.
$8.95 retail; Multi-Outlet Power Strip
$6.95 retail; Single Outlet Filtered Surge Protector
$7.95 retail; Three Outlet Wall Mount Filtered Surge Protector
$10.95 retail; Six Outlet Wall Mount Filtered Surge Protector
$13.95 retail; Six Outlet Filtered Surge Strip
$27.95 retail; Eight Outlet Filtered Surge Protector
$39.95 retail; Six Outlet Filtered Surge Protector with Telephone/Modem/Fax Protection
$89.95 retail; Eight Outlet Filtered Surge Protector
Curtis Manufacturing Co., Inc.; 30 Fitzgerald Dr.; Jaffrey, NH 03452; 603-532-4123, 800-955-5544 or 603-532-4116 (fax)

Curtis Surge Center
Five outlet desktop surge protector
Any Macintosh.
$49.95 retail
Curtis Manufacturing Co., Inc.; 30 Fitzgerald Dr.; Jaffrey, NH 03452; 603-532-4123, 800-955-5544 or 603-532-4116 (fax)

Defender
Power protection devices
Any Macintosh.
£1,000 to £2,650 retail
Upsonic UK Ltd.; Unit 8, Marshall Rd., Hillmead; Swindon, Wilts, U.K. SN5 9FZ; 44-0793-875-787 or 44-0793-873-910 (fax)

Deltec UPS
Uninterruptible power supply
Any Macintosh.
$159 to $67,050 retail
Deltec Electronics Corp.; 2727 Kurtz St.; San Diego, CA 92110; 800-854-2658 or 619-296-8039 (fax)

DLP Series
Transient surge protectors
Any Macintosh; 25-pin "D" connectors.
$93 to $198 retail
Transtector Systems, Inc.; PO Box 300; Hayden Lake, ID 83835; 800-882-9110 or 208-772-6619 (fax)

DSTM2T Modem/Fax/Telephone Lightning Surge Suppressor
Protects equipment that transmits and receives data via telephone lines
Any Macintosh.
$11.95 retail
ORA Electronics; 9410 Owensmouth Ave.; Chatsworth, CA 91311; 818-772-2700

Info Power Center
Power protection
Any Macintosh.
$129.99 retail
Info Products; 541 Division St.; Campbell, CA 95008; 408-374-7290, 800-775-7576 or 408-378-1068 (fax)

IntelliPower Continuous Online UPS
Uninterruptible power systems
Any Macintosh.
$849 to $1,349 retail
IntelliPower, Inc.; 10-A Thomas St.; Irvine, CA 92718; 714-587-0155 or 714-587-0230 (fax)

Interact UPS
Uninterruptible power system
Any Macintosh.
$4,295 to $6,195 retail; 3000 to 5000 Watts
Sola, A Unit Of General Signal; 1717 Busse Rd.; Elk Grove, IL 60007; 708-439-2800

Interex Portable Surge Suppressor
Surge protector
Any Macintosh.
$14.95 retail
Interex Computer Products; 2971 S. Madison; Wichita, KS 67216; 316-524-4747 or 316-524-4636 (fax)

Isolated Micro UPS
Uninterruptible power system
Any Macintosh.
$1,495 to $1,795 retail; 1300 to 1800 Watts
Sola, A Unit Of General Signal; 1717 Busse Rd.; Elk Grove, IL 60007; 708-439-2800

These Products Available Through Bottom Line Distribution
1-800-347-1923

LanGarde
Intelligent UPS system
Any Macintosh.
$499.95 to $1,279.95 retail
EFI Electronics Corp.; 2415 South 2300 West; Salt Lake City, UT 84119; 801-977-9009, 800-877-1174 or 801-977-0200 (fax)

LapTrax
Power and data line protector
Macintosh PowerBook.
$89.95 retail
EFI Electronics Corp.; 2415 South 2300 West; Salt Lake City, UT 84119; 801-977-9009, 800-877-1174 or 801-977-0200 (fax)

MacGard
Surge suppressor with built-in antistatic drain pad
Any Macintosh.
Call for pricing
Systems Control; PO Box 788M; Iron Mountain, MI 49801; 800-451-6866 or 906-779-4217 (fax)

MasterPiece Compact
Power center
Any Macintosh.
$99.95 retail
Kensington Microware, Ltd.; 2855 Campus Dr.; San Mateo, CA 94403; 415-572-2700, 800-535-4242 or 415-572-9675 (fax)

MasterPiece Plus
Power control center
Any Macintosh.
$159.95 retail
Kensington Microware, Ltd.; 2855 Campus Dr.; San Mateo, CA 94403; 415-572-2700, 800-535-4242 or 415-572-9675 (fax)

Meirick Power Pro UPS
Uninterruptible power systems
Any Macintosh.
$399 retail; Power Pro 400
$569 retail; Power Pro 600 SL Slimline
$699 retail; Power Pro 850 SL Slimline
$799 retail; Power Pro 1200
Meirick, Inc.; 420 S. Hickory St.; Mt. Vernon, MO 65712; 417-466-3941 or 417-466-4207 (fax)

Minuteman
Uninterruptible power supply
Any Macintosh.
Call for pricing
Minuteman UPS; 1455 LeMay Dr.; Carrollton, TX 75007; 214-446-7363, 800-238-7272 or 214-446-9011 (fax)

Minuteman Alliance Series
Uninterruptible power supplies
Any Macintosh.
$159 to $729 retail
Minuteman UPS; 1455 LeMay Dr.; Carrollton, TX 75007; 214-446-7363, 800-238-7272 or 214-446-9011 (fax)

Minuteman ContinuousPower (CP) Series
Uninterruptible power supplies
Any Macintosh.
$899 to $6,999 retail
Minuteman UPS; 1455 LeMay Dr.; Carrollton, TX 75007; 214-446-7363, 800-238-7272 or 214-446-9011 (fax)

Minuteman Power Mind Series
Uninterruptible power supplies
Any Macintosh.
$579 to $1,049 retail
Minuteman UPS; 1455 LeMay Dr.; Carrollton, TX 75007; 214-446-7363, 800-238-7272 or 214-446-9011 (fax)

Minuteman Sentry Series
Power protection
Any Macintosh.
Call for pricing
Minuteman UPS; 1455 LeMay Dr.; Carrollton, TX 75007; 214-446-7363, 800-238-7272 or 214-446-9011 (fax)

Network UPS
Uninterruptible power system
Any Macintosh.
$199 to $1,499 retail; 250 VA to 1800 VA
Sola, A Unit Of General Signal; 1717 Busse Rd.; Elk Grove, IL 60007; 708-439-2800

OCONUS Power Converter
Power converters
Any Macintosh.
$299 to $599 retail
Computer Power Solutions, Inc.; PO Box 382340; Memphis, TN 38183; 901-853-5900, 800-365-8816 or 901-853-5834 (fax)

Onguard
Uninterruptible power systems
Any Macintosh.
$477 to $1,990 retail
Clary Corp.; 1960 S. Walker Ave.; Monrovia, CA 91016; 818-359-4486, 800-442-5279 or 818-305-0254 (fax)

ORA Electronics Surge Protectors
Surge protectors
Any Macintosh.
$15.95 to $39.95 retail
ORA Electronics; 9410 Owensmouth Ave.; Chatsworth, CA 91311; 818-772-2700

Panamax
Voltage surge protectors, data and telephone line filters, LANs, power backup systems
Any Macintosh.
$89 to $129 retail; Faxmax
$79 to $99 retail; Max
$299 retail; Max 1000
$79 to $89 retail; Copymax
$89 retail; Lapmax
$149 retail; Supermax
$49 retail; Datamax
$429 to $1,189 retail; Nonstop
$89 to $169 retail; Coaxmax
$169 retail; Smartmax
$149 retail; Telemax 4LL
$149 retail; Netmax
$199 retail; Racmax
$89 to $269 retail; Towermax
$149 to $159 retail; Lanmax
Panamax; 150 Mitchell Blvd.; San Rafael, CA 94903; 415-499-3900 or 415-472-5540 (fax)

PC Might
Power protection devices
Any Macintosh.
£99 to £868 retail
Upsonic UK Ltd.; Unit 8, Marshall Rd., Hillmead; Swindon, Wilts, U.K. SN5 9FZ; 44-0793-875-787 or 44-0793-873-910 (fax)

Power Backer Plus
Uninterruptible power supplies
Macintosh Plus or larger.
$349.95 to $849.95 retail
Kensington Microware, Ltd.; 2855 Campus Dr.; San Mateo, CA 94403; 415-572-2700, 800-535-4242 or 415-572-9675 (fax)

Power Conditioners
Power conditioner series
Any Macintosh.
$2,000 to $20,000 retail
On-Line Power; 5701 Smithway; City of Commerce, CA 90040; 213-721-5017 or 213-721-3929 (fax)

Power Tree
Outlet strips
Any Macintosh.
$29.95 to $69.95 retail
Kensington Microware, Ltd.; 2855 Campus Dr.; San Mateo, CA 94403; 415-572-2700, 800-535-4242 or 415-572-9675 (fax)

PowerKey
Controls Macintosh system power consumption
Macintosh Classic, LC, SE, II, Centris, Quadra family or Power Macintosh; System 6.0 or later.
$119 retail
$49 retail; PowerKey Remote
Sophisticated Circuits, Inc.; 19017 120th Ave. NE, Ste. 106; Bothell, WA 98011; 206-485-7979, 800-827-4669 or 206-485-7172 (fax)

PowerRite UPS
Uninterruptible power supply
Any Macintosh.
$159 to $1,689 retail
PowerRite, a Division of Deltec; 2727 Kurtz St.; San Diego, CA 92110; 800-854-2658 or 619-296-8039 (fax)

PowerTrax
Transient voltage surge suppression devices
Any Macintosh.
$79.95 retail; PowerTrax 2000
$149.95 retail; PowerTrax 3000
EFI Electronics Corp.; 2415 South 2300 West; Salt Lake City, UT 84119; 801-977-9009, 800-877-1174 or 801-977-0200 (fax)

Powerware Personal
Uninterruptible power supply
Any Macintosh.
$449 and up retail
Exide Electronics; 1415 W. 22nd St., Ste. 700; Oak Brook, IL 60521; 708-990-8877, 800-925-8277 or 708-990-8891 (fax)

Proxima Compact Power Director
Power protection; surge suppression; power control; static discharge; UL listed
Macintosh 512K or larger.
$99.95 retail
Proxima Corp.; Power Products; 6370 Nancy Ridge Dr.; San Diego, CA 92121; 619-677-5700 or 619-558-1408 (fax)

Proxima IPS 500+
Standby power supply
Macintosh 512K or larger.
$649.95 retail
$249.95 retail; external battery pack
Proxima Corp.; Power Products; 6370 Nancy Ridge Dr.; San Diego, CA 92121; 619-677-5700 or 619-558-1408 (fax)

Proxima Power Director
Surge suppression and power control center with modem protection
Macintosh 512K or larger.
$149.95 retail; Proxima Power Director
$159.95 retail; Proxima Power Director Plus (with modem protection)
Proxima Corp.; Power Products; 6370 Nancy Ridge Dr.; San Diego, CA 92121; 619-677-5700 or 619-558-1408 (fax)

Proxima PowerTouch
Power protection and control center
Any Macintosh.
$79.95 retail; PowerTouch
$109.95 retail; PowerTouch Plus
Proxima Corp.; Power Products; 6370 Nancy Ridge Dr.; San Diego, CA 92121; 619-677-5700 or 619-558-1408 (fax)

Proxima ProLine
Surge suppressors
Any Macintosh.
$49.95 to $119.95 retail
Proxima Corp.; Power Products; 6370 Nancy Ridge Dr.; San Diego, CA 92121; 619-677-5700 or 619-558-1408 (fax)

Six Outlet Strip With Surge Suppressors And Fax/Modem Protection
EMI/RFI surge protector
Any Macintosh.
$39.95 retail; Model SPP
ORA Electronics; 9410 Owensmouth Ave.; Chatsworth, CA 91311; 818-772-2700

SL IV
Transient surge protector
Any Macintosh; duplex outlet.
$235 retail

Transtector Systems, Inc.; PO Box 300; Hayden Lake, ID 83835; 800-882-9110 or 208-772-6619 (fax)

Sure/Fire Apple Protected Data Switch
Mac peripheral sharing, plus protects peripherals from electrical spikes and surges
Any Macintosh.
$119 retail; Model 21A8P (two-way switch, 8-pin mini-DIN)
$139 retail; Model 41A8P (four-way switch, 8-pin mini-DIN)
Bravo Communications, Inc.; 1310 Tully Rd., Ste. 107; San Jose, CA 95122; 800-366-0297 or 408-297-8701 (fax)

Sure/Fire Port Protector
Guards against data line spikes and surges
Any Macintosh or peripheral; 9-pin Apple serial port.
$39 retail; Model 9S
Bravo Communications, Inc.; 1310 Tully Rd., Ste. 107; San Jose, CA 95122; 800-366-0297 or 408-297-8701 (fax)

Sure/Fire RJ45/LAN2
LAN port protector
Any Macintosh network.
$59 retail
Bravo Communications, Inc.; 1310 Tully Rd., Ste. 107; San Jose, CA 95122; 800-366-0297 or 408-297-8701 (fax)

Surge Slayers
Suppress surge and noise to protect valuable data and equipment
Any Macintosh.
$5.99 to $39.99 retail
Interex Computer Products; 2971 S. Madison; Wichita, KS 67216; 316-524-4747 or 316-524-4636 (fax)

SurgeArrest Plus
Surge protector
Any Macintosh.
$59.95 retail
American Power Conversion (APC); PO Box 278; 132 Fairgrounds Rd.; W. Kingstown, RI 02892; 401-789-5735, 800-800-4272 or 401-789-3710 (fax)

TCS Uninterruptible Power Systems
UPS
Any Macintosh.
$229 to $12,800 retail; 250 VA to 18 KVA
Total Concept Sales; 501 W. Glenoaks Blvd., Ste. 343; Glendale, CA 91202; 818-547-9476 or 818-547-9473 (fax)

TSJ Series
Transient surge protectors
Any Macintosh; RJ-11 or RJ-45 jacks.
$72 to $130 retail
Transtector Systems, Inc.; PO Box 300; Hayden Lake, ID 83835; 800-882-9110 or 208-772-6619 (fax)

Unistar
Uninterruptible power supply
Macintosh Plus or larger.
$2,395 to $13,195 retail; 1 to 10 KVA
General Power Systems, Inc.; 17881 Cartwright Rd.; Irvine, CA 92714; 714-851-0800 or 800-854-3469

UPS Series
UPS systems
Any Macintosh.
$2,000 to $5,000 retail
On-Line Power; 5701 Smithway; City of Commerce, CA 90040; 213-721-5017 or 213-721-3929 (fax)

Hardware & Peripherals/ Printers, Plotters & Enhancements

3M Rainbow Desktop Color Proofing System
Thermal dye sublimation color proofing system
Macintosh II, Quadra or Power Macintosh.
Call for pricing
3M Printing & Publishing Systems Division; 3M Center, Bldg. 223-2N-01; St. Paul, MN 55144; 612-733-4041, 612-736-3481, 612-733-8081 or 612-736-5613 (fax)

Accel-A-Writer
Upgrade controllers
Apple LaserWriter.
$995 each retail; 600 by 600 dpi, LaserWriter
Xante Corp.; PO Box 16526; Mobile, AL 36616; 205-476-8189, 800-926-8839 or 205-476-9421 (fax)

Accel-A-Writer 8100
11 by 17-inch laser printer
Macintosh or PC compatible.
$3,995 retail
Xante Corp.; PO Box 16526; Mobile, AL 36616; 205-476-8189, 800-926-8839 or 205-476-9421 (fax)

AccuSet 1000
PostScript laser imagesetter
Macintosh Plus or larger.
$38,500 retail; plus RIP of choice
Agfa Division, Miles Inc., Graphic Systems; 100 Challenger Rd.; Ridgefield Park, NJ 07660; 201-440-2500, 800-685-4271 or 201-440-8187 (fax)

AccuSet 1200
PostScript laser imagesetter
Macintosh Plus or larger.
$51,500 retail; including RIP
Agfa Division, Miles Inc., Graphic Systems; 100 Challenger Rd.; Ridgefield Park, NJ 07660; 201-440-2500, 800-685-4271 or 201-440-8187 (fax)

AccuSet 800
PostScript laser imagesetter
Macintosh Plus or larger.
$28,000 retail; plus RIP
Agfa Division, Miles Inc., Graphic Systems; 100 Challenger Rd.; Ridgefield Park, NJ 07660; 201-440-2500, 800-685-4271 or 201-440-8187 (fax)

■ **ActionLaser 1500**
300 dpi laser printer
Macintosh Plus or larger; 1 MB of RAM; Epson Talk Kit.
The ActionLaser 1500 gives users high-quality output with extra speed, durability and expandability. Epson RITech (Resolution Improvement Technology) makes output crisper and sharper. Blacks are blacker and lines are finer thanks to Epson MicroArt printing. Features include: prints six pages per minute, 300 dpi text and graphics output and 27 different fonts with 13 scalable to size. The ActionLaser 1500 is easily upgradeable with options, including a 250-sheet paper tray, memory expandable to 5 MB and a PostScript-compatible cartridge.
$849 retail; printer
$138 retail; RAM
$399 retail; Epson Talk Kit
Epson America, Inc.; 20770 Madrona Ave.; Torrance, CA 90503; 310-782-0770, 800-289-3776 or 310-782-4248 (fax)

■ **ActionLaser 1600**
600 dpi laser printer
Macintosh Plus or larger; 2 MB of RAM; Epson Talk upgrade kit.
The ActionLaser 1600 has 600 dpi resolution, blacker blacks and the detail of 33 gray-scale half-tones, which produce exceptional print quality. It's also quicker thanks to the RISC processor, high-speed interface and 6 pages per minute print speed. A Windows driver is included and HP LaserJet 4 (PCL 5e) emulation is built in for compatibility with virtually all Microsoft Windows and DOS applications. The Epson Talk option provides complete Macintosh compatibility.
$1,199 retail; printer
$399 retail; Epson Talk
Epson America, Inc.; 20770 Madrona Ave.; Torrance, CA 90503; 310-782-0770, 800-289-3776 or 310-782-4248 (fax)

AddressWriter
Envelope, postcard or label printer
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.
$399.95 retail
$199 retail; AppleTalk network box
$75 retail; label feed attachment
$12 retail; AddressWriter ribbon
CoStar Corp.; 100 Field Point Rd.; Greenwich, CT 06830; 203-661-9700, 800-426-7827 or 203-661-1540 (fax)

Apple Color StyleWriter Pro
Color and monochrome ink jet printer
Macintosh Plus or larger.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Apple ImageWriter II
Expandable printer
Any Macintosh.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Apple LaserWriter Pro 630
600 dpi workgroup laser printer
Macintosh Plus or larger.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Apple LaserWriter Pro 810
Up to 800 dpi laser printer for large workgroups with mixed computing environments
Macintosh Plus or larger.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Apple LaserWriter Select 300
Midrange laser printers
Macintosh Plus or larger; System 6.0.7 or later.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Apple LaserWriter Select 360
600 dpi laser printer for small workgroups of networked Macintosh and DOS/Windows computers
Macintosh Plus or larger.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Apple Personal LaserWriter 320
PostScript laser printer
Macintosh Plus or larger; 4 MB of RAM; System 7.0 or later.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Apple Portable StyleWriter
Lightweight portable printer for PowerBook users
Any Macintosh, PowerBook or PowerBook Duo; 4 MB of RAM recommended; System 7.0.1 or later.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Apple StyleWriter II
360 dpi personal laser printer
Macintosh Plus or larger; 1 MB of RAM (2 MB recommended; 4 MB recommended with System 7); hard disk drive; System 6.0.7 or later.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

APS-Broadsheet Laser Printer
High-resolution, plain paper broadsheet laser printer
Macintosh II.
$39,500 retail
Autologic; 1050 Rancho Conejo Blvd.; Thousand Oaks, CA 91320; 805-498-9611 or 805-499-1167 (fax)

Atlantek Model 2400 And Model 3600
Direct imaging raster plotters
Macintosh II or Quadra family.
$13,000 to $16,000 retail

Atlantek, Inc.; 10 High St.; Wakefield, RI 02879; 401-783-5700 or 401-783-9881 (fax)

BLP Eclipse
Multiplatform, PostScript Level 2 laser printers
Macintosh Plus or larger.
$1,099 retail; BLP Eclipse 4
$1,799 retail; BLP Eclipse 8
GCC Technologies, Inc.; 209 Burlington Rd.; Bedford, MA 01730; 617-275-5800, 800-422-7777 or 617-275-1115 (fax)

BLP Elite
PostScript printers
Macintosh Plus or larger.
$879 to $1,398 retail
GCC Technologies, Inc.; 209 Burlington Rd.; Bedford, MA 01730; 617-275-5800, 800-422-7777 or 617-275-1115 (fax)

Buffer Box P/S; Buffer Plus P/S
256K to 1 MB plotter/printer buffer, parallel/serial or serial/parallel converter
Any Macintosh; any RS-232C serial or Centronics parallel device.
$269 retail; Buffer Box P/S
$369 retail; Buffer Plus P/S with 256K
CONNEXPERTS; One Galleria Tower; 13355 Noel Rd., Ste. 1600; Dallas, TX 75240; 214-233-8800, 800-433-5373 or 214-239-6490 (fax)

C.Itoh ProWriter CI-8
8 ppm desktop laser printer
Macintosh Plus or larger.
$2,395 retail
$850 retail; Mac-PAT Kit (includes PostScript board, AppleTalk interface and 1 MB of RAM)
C-Tech Electronics, Inc.; 2701 Dow Ave.; PO Box 2098; Tustin, CA 92680; 800-347-4017 or 714-757-4533 (fax)

C.Itoh ProWriter CI-8XA
8 ppm desktop laser printer
Macintosh Plus or larger.
$1,999 retail
C-Tech Electronics, Inc.; 2701 Dow Ave.; PO Box 2098; Tustin, CA 92680; 800-347-4017 or 714-757-4533 (fax)

C.Itoh ProWriter CI-8Xtra
8 ppm desktop laser printer
Macintosh Plus or larger.
$1,599 retail
$850 retail; Mac-PAT Kit (includes PostScript board, AppleTalk interface and 1 MB of RAM)
C-Tech Electronics, Inc.; 2701 Dow Ave.; PO Box 2098; Tustin, CA 92680; 800-347-4017 or 714-757-4533 (fax)

CalComp 68000 GA Series (Models 68436 GA And 68444 GA)
Color electrostatic printers
Any Macintosh.
$52,900 and $62,900 retail
CalComp Inc.; 2411 W. LaPalma Ave.; Anaheim, CA 92801; 714-821-2000 or 800-932-1212

CalComp 68000 Series (Models 68436 And 68444)
Color electrostatic plotters
Any Macintosh.
$52,900 and $62,900 retail
CalComp Inc.; 2411 W. LaPalma Ave.; Anaheim, CA 92801; 714-821-2000 or 800-932-1212

CalComp CCL 600
High-performance, tabloid-size monochrome laser printer
Any Macintosh.
$3,295 and $3,995 retail
CalComp Inc.; 2411 W. LaPalma Ave.; Anaheim, CA 92801; 714-821-2000 or 800-932-1212

CalComp Classic (Model 4036)
A- to E-size dual-mode pen plotter
Any Macintosh.
$5,995 retail
CalComp Inc.; 2411 W. LaPalma Ave.; Anaheim, CA 92801; 714-821-2000 or 800-932-1212

CalComp ColorMaster Plus (Models 6603PS And 6613PS)
Thermal transfer printers
Any Macintosh.
$3,995 and $6,995 retail
CalComp Inc.; 2411 W. LaPalma Ave.; Anaheim, CA 92801; 714-821-2000 or 800-932-1212

CalComp ColorMaster Plus XF
Thermal transfer printers
Any Macintosh.
$5,495 and $8,995 retail
CalComp Inc.; 2411 W. LaPalma Ave.; Anaheim, CA 92801; 714-821-2000 or 800-932-1212

CalComp DesignMate (Models 3024 And 3036)
D- and E-size pen plotters
Any Macintosh.
$1,995 and $2,995 retail
CalComp Inc.; 2411 W. LaPalma Ave.; Anaheim, CA 92801; 714-821-2000 or 800-932-1212

CalComp Model 67436
Electrostatic plotter
Any Macintosh.
$32,900 retail
CalComp Inc.; 2411 W. LaPalma Ave.; Anaheim, CA 92801; 714-821-2000 or 800-932-1212

CalComp Solus 4
Plain-paper, monochrome, large-format LED plotter
Any Macintosh.
$19,995 retail
CalComp Inc.; 2411 W. LaPalma Ave.; Anaheim, CA 92801; 714-821-2000 or 800-932-1212

CAMM-1 Sign Makers
Desktop and floor standing sign makers
Macintosh SE or II; connecting cable; plotter software.
$2,495 to $11,995 retail
Roland Digital Group; 1961 McGaw Ave.; Irvine, CA 92714; 714-975-0560 or 714-975-0569 (fax)

CAMM-2
Computer-aided engraving machine
Macintosh SE or II; CAD software.
$5,995 to $14,995 retail
Roland Digital Group; 1961 McGaw Ave.; Irvine, CA 92714; 714-975-0560 or 714-975-0569 (fax)

CAMM-3
Three-dimensional modeling machine
Macintosh Plus or larger; NC programming system, such as the Gibbs System or MGMStation.
$15,995 retail; Model 3000S
$12,995 retail; Model 2500S
Roland Digital Group; 1961 McGaw Ave.; Irvine, CA 92714; 714-975-0560 or 714-975-0569 (fax)

Caretaker Plus
Enables users to share a common printer among several computers
Serial or parallel port.
$395 retail; 4-port box
$495 retail; 8-port box
Rose Electronics; 10850 Wilcrest, Ste. 900; Houston, TX 77099; 713-933-7673, 800-333-9343 or 713-933-0044 (fax)

ColorPoint PSN Models 4 And 14
PostScript language compatible color printers
Any color-capable Macintosh; System 6.0.3 or later.
$5,999 retail; Model 4
$8,999 retail; Model 14
Seiko Instruments USA, Inc.; 1130 Ringwood Ct.; San Jose, CA 95131; 408-922-5900, 800-533-5312 or 408-922-5835 (fax)

ColorPoint PSX Model 14
PostScript language compatible color printer
Any color-capable Macintosh; System 6.0.3 or later.
$8,999 retail
Seiko Instruments USA, Inc.; 1130 Ringwood Ct.; San Jose, CA 95131; 408-922-5900, 800-533-5312 or 408-922-5835 (fax)

ColorPoint PSX Model 4
PostScript language compatible color printer
Any color-capable Macintosh; System 6.0.3 or later.
$5,999 retail
Seiko Instruments USA, Inc.; 1130 Ringwood Ct.; San Jose, CA 95131; 408-922-5900, 800-533-5312 or 408-922-5835 (fax)

ColorPrinter 20 And 30
PostScript color printers
Macintosh Plus or larger.
$9,995 to $16,995 retail
Linotype-Hell Co.; 425 Oser Ave.; Hauppauge, NY 11788; 516-434-2000, 800-633-1900 or 516-434-2706 (fax)

ColorQ 1000 Digital Color Print Server
Turns digital color copier into a network color printer
Any Macintosh or PC on AppleTalk-compatible network (Ethernet).
$19,995 retail; 32 MB version (upgrades available)
ColorAge Inc.; 900 Middlesex Turnpike, Bldg. 8; Billerica, MA 01821; 508-667-8585, 800-437-3336 or 508-667-8821 (fax)

ColorQ 2000 Digital Color Print Server
Turns digital color copier into a color printer
Any Macintosh, PC or UNIX workstation on AppleTalk, Novell, Windows NT, Windows for Workgroups or LAN Manager networks.
$29,995 retail; 64 MB version; upgrades available
ColorAge Inc.; 900 Middlesex Turnpike, Bldg. 8; Billerica, MA 01821; 508-667-8585, 800-437-3336 or 508-667-8821 (fax)

ColorQ 3000 Digital Print Server
Turns a digital color copier into a full-featured network color printer
Any Macintosh, PC or Unix workstation on EtherTalk and Novell networks.
$29,995 retail; 64 MB version
$37,495 retail; 128 MB version
ColorAge Inc.; 900 Middlesex Turnpike, Bldg. 8; Billerica, MA 01821; 508-667-8585, 800-437-3336 or 508-667-8821 (fax)

ColorRight
24-bit color dye-sublimation printer
Macintosh II or larger.
$10,975 to $19,995 retail
Prime Option; 2341 W. 205th St., Ste. 116; Torrance, CA 90731; 310-618-0274, 800-828-9877 or 310-618-1982 (fax)

ColorStation Series
Electrostatic plotters
Any Macintosh.
$21,395 to $52,395 retail
Raster Graphics, Inc.; 285 N. Wolfe Rd.; Sunnyvale, CA 94086; 408-738-7800, 800-441-4788 or 408-749-0544 (fax)

ColorTone
Dye-sublimation color printer
Macintosh LC or larger.
$7,999 retail
GCC Technologies, Inc.; 209 Burlington Rd.; Bedford, MA 01730; 617-275-5800, 800-422-7777 or 617-275-1115 (fax)

■ **Coolprint**
Full-color dye sublimation digital printer
Macintosh with 68020 processor or larger; 8 MB of RAM; 80 MB of free hard disk drive space; System 7.0 or later.

Coolprint is a photographic-quality, full-color dye sublimation digital printer that generates stunning continuous-tone prints in 60 seconds or less — for an incredibly low 85 cents per print. Coolprint's notable features include compact design, portability (only 11 lbs), and full color prints on VP standard paper, adhesive labels or postcard stock. Coolprint is the perfect companion for Nikon's Coolscan 35mm Film Scanner, forming a complete mobile input and output imaging system with a laptop computer. Coolprint delivers 16.7 million colors, which means digital images come out crisp, vibrant and saturated everytime. Even color illustrations and type, through Coolprint's anti-aliasing, are accurately reproduced. Coolprint

produces standard A6-size photo prints, is operated through a Chooser level driver and features a standard SCSI II interface.
$1,995 retail
Nikon Electronic Imaging; 1300 Walt Whitman Rd.; Melville, NY 11747; 516-547-4355 or 516-547-0305 (fax)

DanRIP
High-speed, PostScript-based imaging system
Power Macintosh 7100 or 8100 recommended.
$23,995 retail
Peripheral Concepts International; 3 Hawthorne Ln.; Rosemont, PA 19010; 215-527-1590 or 215-527-9337 (fax)

Dash 600 BX And Dash 800
Plain paper output devices
Macintosh II or Quadra; 8 MB of RAM; 150 MB of free disk space.
$14,995 retail; Dash 600 BX
$20,000 retail; Dash 800
Includes interface card
Hyphen, Inc.; 181 Ballardvale St.; Wilmington, MA 01887; 508-988-0880, 800-388-0880 or 508-988-0879 (fax)

DD EasyCoder
Bar-code label printer
Any Macintosh.
$1,995 retail
DataDesigns; 8269 Fredericksburg Rd.; San Antonio, TX 78229; 210-697-0780

DEClaser 1152
4 page-per-minute laser printer
Any Macintosh.
$699 retail
Digital Equipment Corporation; 2 Results Way; Marlboro, MA 01752; 508-467-8078 or 508-467-1110 (fax)

■ Digital ColorStation 5400
Direct-to-print, five-color, high-volume production printer
Any Macintosh.
The Digital ColorStation 5400 is a direct-to-print, five-color, high-volume printer. Designed as a production printer, the DCS 5400 can produce full-color prints up to 52-inches wide and virtually unlimited length from PostScript application packages. The DCS 5400 is ideally suited for printing one to 200 prints. Based on Raster Graphics' patented Silicon Imaging Bar writing technology, the DCS 5400 can produce prints at approximately 500 square feet per hour. The Digital ColorStation 5400 features non-multiplexed writing that permits very high-speed writing and dramatically reduces streaks, striations and flares. The DCS 5400's Web Cylinder Transport System is a unique feature that enhances print quality by providing a good contact between the media and the Silicon Imaging Bar during writing and inking (toning).
$99,950 retail
Raster Graphics, Inc.; 285 N. Wolfe Rd.; Sunnyvale, CA 94086; 408-738-7800, 800-441-4788 or 408-749-0544 (fax)

DisplayMaker Digital Color Printer
Four-color ink jet printer and color server
Macintosh Plus or larger.
$19,995 retail
LaserMaster Corp.; 6900 Shady Oak Rd.; Eden Prairie, MN 55344; 612-944-9330, 800-950-6868 or 612-944-0522 (fax)

DisplayMaker Professional
Four-color ink jet printer and advanced color server
Macintosh Plus or larger.
$29,995 retail
LaserMaster Corp.; 6900 Shady Oak Rd.; Eden Prairie, MN 55344; 612-944-9330, 800-950-6868 or 612-944-0522 (fax)

DMP-160 Series
Pen plotters
Macintosh II; software supporting DM/PL, HP-GL and HP-GL/2.
$4,595 to $5,995 retail
Houston Instrument; A Summagraphics Co.; 8500 Cameron Rd.; Austin, TX 78754; 512-835-0900, 800-444-3425 or 512-339-1490 (fax)

DMP-162R
Pen plotter
Macintosh II; software supporting DM/PL, HP-GL and HP-GL/2.
$6,995 retail
Houston Instrument; A Summagraphics Co.; 8500 Cameron Rd.; Austin, TX 78754; 512-835-0900, 800-444-3425 or 512-339-1490 (fax)

DMP-60 Series
Pen plotters
Macintosh II; software supporting DM/PL and HP-GL.
$3,595 to $4,795 retail
Houston Instrument; A Summagraphics Co.; 8500 Cameron Rd.; Austin, TX 78754; 512-835-0900, 800-444-3425 or 512-339-1490 (fax)

Dolev 100
Compact, fast internal-drum imagesetter
Macintosh II or larger; PostScript-generating system.
$55,000 retail
Scitex America Corp.; 8 Oak Park Dr.; Bedford, MA 01730; 617-275-5150 or 617-275-3430 (fax)

■ Dolev 200 PS/M
Imagesetter
Macintosh IIfx or Quadra; 22 MB of RAM; 600 MB hard disk; 20 MB of free hard disk space; color monitor.
The Dolev 200 PS/M imagesetter utilizes helium-neon laser and drum technology throughout its 14.09 by 19.68-inch image area. Plotting at resolutions ranging as high as 3,556 dpi, the Dolev 200 PS/M is capable of screening at ruling from 50 to 375 lpi. The Dolev 200 PS/M uses a software RIP residing on a Macintosh IIfx or Quadra computer to produce plate-ready films from any desktop vendor's system.
Under $79,000 retail
Scitex America Corp.; 8 Oak Park Dr.; Bedford, MA 01730; 617-275-5150 or 617-275-3430 (fax)

■ Dolev 400 PS/M
High-speed, high-quality imagesetter
Macintosh IIfx or Quadra; 22 MB of RAM; 600 MB hard disk drive; 20 MB free hard disk space; color monitor.
The Dolev 400 PS/M imagesetters are high-speed, high-quality imagesetters for newspaper, magazine, catalog and advertisement applications. Four 8.5 by 11-inch separations can be output at one time using the plotter's full 19.68 by 25.27-inch image area. The system's internal-drum utilizes a helium-neon laser to record at resolutions up to 3,556 dpi and plot line screens as high as 375 lpi. The Dolev 400 PS/M interfaces to the desktop via a Scitex Macintosh-based RIP. Call for pricing; price may vary within configurations
Scitex America Corp.; 8 Oak Park Dr.; Bedford, MA 01730; 617-275-5150 or 617-275-3430 (fax)

Dolev 440 PS/M
High-speed imagesetter
Macintosh IIfx or Quadra; 22 MB of RAM; 600 MB hard disk drive with 20 MB of free disk space; color monitor.
Call for pricing; may vary within configurations
Scitex America Corp.; 8 Oak Park Dr.; Bedford, MA 01730; 617-275-5150 or 617-275-3430 (fax)

EPL-8541 And EPL-8543
Color thermal transfer printers; variable dot size
Macintosh II.
$8,995 retail; EPL-8541
$7,995 retail; EPL-8543
Panasonic Communications & Systems Co.; 2 Panasonic Way; Secaucus, NJ 07094; 201-348-7155 or 201-392-6910 (fax)

■ Epson LQ Printers
24-pin dot matrix printers
Any Macintosh; Epson Talk Kit.
The LQ-570+ is a 24-pin, dot matrix printer that produces ultra letter quality at 360 dpi (with optional film ribbon); is whisper quiet; fast print speed at up to 337 cps in draft quality and 112 cps in letter quality; and 14 selectable typefaces, including four scalable from eight to 32 point sizes.

The LQ-870 narrow carriage and the LQ-1170 wide cartridge are 24-bit, letter-quality dot matrix printers that offer versatile paper handling; exclusive ESC/P2 printer language; 12 built-in fonts, including two scalable fonts; and auto sheet loading.

The LQ-1070+ is a reliable, easy-to-use, wide carriage, 24-pin dot matrix printer. It produces ultra letter quality printing at 360 dpi (with optional film ribbon); 337 cps in draft and 112 cps in letter quality. The LQ-1070+ has 14 selectable typefaces, including four scalable from eight to 32 point sizes.
$349 retail; LQ-570+
$629 retail; LQ-870
$499 retail; LQ-1070+
$859 retail; LQ-1170
$229 retail; Epson Talk Kit
Epson America, Inc.; 20770 Madrona Ave.; Torrance, CA 90503; 310-782-0770, 800-289-3776 or 310-782-4248 (fax)

ESI-2671A
PC/Mac connectivity for HP LaserJet IID, III and IIID printers
Macintosh Plus or larger.
$495 retail
Extended Systems; 5777 N. Meeker Ave.; Boise, ID 83704; 208-322-7575, 800-235-7576 or 208-377-1906 (fax)

ESI-2674A
PC/Mac connection to the HP LaserJet IIISi printer
Macintosh Plus or larger.
$595 retail
Extended Systems; 5777 N. Meeker Ave.; Boise, ID 83704; 208-322-7575, 800-235-7576 or 208-377-1906 (fax)

ESI-2679C
Extends the use of a PostScript printer to both AppleTalk and PC environments
Macintosh 512K or larger.
$595 retail
Extended Systems; 5777 N. Meeker Ave.; Boise, ID 83704; 208-322-7575, 800-235-7576 or 208-377-1906 (fax)

ExpressMaster 1200
600/1,200 dpi image recorder
Any Macintosh.
$79,500 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

ExpressPlotter II
Direct imaging plotter
Any Macintosh.
$11,995 retail
JDL, U.S. Sales Division; 4770 Calle Quetzal; Camarillo, CA 93012; 800-899-8709 or 805-388-8708 (fax)

ExtendNet ESI-2856A
Connects HP LaserJet II, IID, III and IIID printers to an Ethernet network
Macintosh Plus or larger.
$495 retail
Extended Systems; 5777 N. Meeker Ave.; Boise, ID 83704; 208-322-7575, 800-235-7576 or 208-377-1906 (fax)

ExtendNet ESI-2866A
Connects HP LaserJet IIISi, 4 and 4M printers to an Ethernet network
Macintosh Plus or larger.
$349 retail
Extended Systems; 5777 N. Meeker Ave.; Boise, ID 83704; 208-322-7575, 800-235-7576 or 208-377-1906 (fax)

ExtendNet LT
EtherTalk and LocalTalk connectivity for HP LaserJet IIISi and 4 printers
Macintosh Plus or larger.
$745 retail
Extended Systems; 5777 N. Meeker Ave.; Boise, ID 83704; 208-322-7575, 800-235-7576 or 208-377-1906 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

ExtendNet LTX ESI-2675A
Network and non-network users access the Hewlett-Packard LaserJet IIISi, 4 and 4M printers
Macintosh Plus or larger.
$995 retail
Extended Systems; 5777 N. Meeker Ave.; Boise, ID 83704; 208-322-7575, 800-235-7576 or 208-377-1906 (fax)

Fiery Color Server
Color printer and scanner server
Macintosh II.
$19,500 retail; FieryLite
$28,500 retail; Fiery150i
$37,500 retail; Fiery200i
Electronics for Imaging, Inc.; 2855 Campus Dr.; San Mateo, CA 94403; 415-286-8600, 800-285-4565 or 415-286-8686 (fax)

FotoPrint 500 And 1000
Digital color imagers
Macintosh II or larger.
$32,500 to $44,500 retail
METRUM; 4800 E. Dry Creek Rd.; Littleton, CO 80122; 303-773-4700 or 303-773-4909 (fax)

G1022
Desktop pen plotter
Macintosh Plus or larger; MacPlot driver.
$1,190 retail
Océ-Bruning; 1800 Bruning Dr. W; Itasca, IL 60143; 708-351-2900 or 708-351-7549 (fax)

G1820-C+ Range — Entry Level
Single-sheet pen plotters
Macintosh Plus or larger; MacPlot driver.
$4,190 to $4,990 retail
Océ-Bruning; 1800 Bruning Dr. W; Itasca, IL 60143; 708-351-2900 or 708-351-7549 (fax)

G1830-C+ Range — High Performance
Single sheet and roll-feed pen plotters; dual mode D/E size
Macintosh Plus or larger; MacPlot driver.
$5,490 to $5,990 retail
Océ-Bruning; 1800 Bruning Dr. W; Itasca, IL 60143; 708-351-2900 or 708-351-7549 (fax)

G1845-AC+ — Auto Cut & Stack
Pen plotter, E-size dual mode
Macintosh Plus or larger; MacPlot driver.
$7,490 retail
Océ-Bruning; 1800 Bruning Dr. W; Itasca, IL 60143; 708-351-2900 or 708-351-7549 (fax)

G5241-PS
PostScript printer
Macintosh Plus or larger.
$6,990 to $7,990 retail
Océ-Bruning; 1800 Bruning Dr. W; Itasca, IL 60143; 708-351-2900 or 708-351-7549 (fax)

G5242-PS
Color PostScript printer
Macintosh Plus or larger.
$9,990 to $13,990 retail
Océ-Bruning; 1800 Bruning Dr. W; Itasca, IL 60143; 708-351-2900 or 708-351-7549 (fax)

G9800 Series
Direct imaging plotters
Macintosh Plus or larger; MacPlot driver.
$12,000 to $16,000 retail
Océ-Bruning; 1800 Bruning Dr. W; Itasca, IL 60143; 708-351-2900 or 708-351-7549 (fax)

Grappler II 9 Pin
Serial-to-parallel printer interface
Macintosh Plus or larger; parallel printer.
$99 retail
Orange Micro, Inc.; 1400 N. Lakeview Ave.; Anaheim, CA 92807; 714-779-2772 or 714-779-9332 (fax)

Grappler IIsp
Printer interface; turns almost any DOS personal printer into a powerful Macintosh network solution
Macintosh Plus or larger; System 6.0.7 or later.
$99 retail
Orange Micro, Inc.; 1400 N. Lakeview Ave.; Anaheim, CA 92807; 714-779-2772 or 714-779-9332 (fax)

GRI MacPlotter
Large-format ink pen plotter
Macintosh Plus or larger; CAD software.
$1,595 retail
Gerard Research, Inc.; 3912 Shasta Dam Blvd.; Central Valley, CA 96019; 916-275-0875 or 800-756-8474

GRI ProPlotter II
Large-format pen plotter
Serial RS-232 interface.
$1,595 retail
Gerard Research, Inc.; 3912 Shasta Dam Blvd.; Central Valley, CA 96019; 916-275-0875 or 800-756-8474

Hewlett-Packard Plotters
Pen plotters
Macintosh 512K or larger.
$1,125 retail; HP ColorPro
$1,595 retail; HP 7475A
$3,595 retail; HP 7550 Plus
$3,695 (D-size) to $4,995 (E-size); HP DraftPro Plus
Hewlett-Packard Co.; Inquiries; PO Box 58059, MS #511L-SJ; Santa Clara, CA 95051; 800-752-0900

HI Image Maker
Desktop plotter
Macintosh II.
$995 retail
Houston Instrument; A Summagraphics Co.; 8500 Cameron Rd.; Austin, TX 78754; 512-835-0900, 800-444-3425 or 512-339-1490 (fax)

HP DesignJet 200
Large-format monochrome ink jet plotter
Macintosh Plus or larger.
$3,695 (D-size) to $4,695 (E-size) retail
Hewlett-Packard Co.; Inquiries; PO Box 58059, MS #511L-SJ; Santa Clara, CA 95051; 800-752-0900

HP DesignJet 600
High-resolution monochrome ink jet plotter
Macintosh Plus or larger.
$6,495 (D-size) to $7,495 (E-size) retail
Hewlett-Packard Co.; Inquiries; PO Box 58059, MS #511L-SJ; Santa Clara, CA 95051; 800-752-0900

HP DesignJet 650C
Color ink jet plotter
Macintosh Plus or larger.
$8,495 (D-size) to $9,995 (E-size) retail
Hewlett-Packard Co.; Inquiries; PO Box 58059, MS #511L-SJ; Santa Clara, CA 95051; 800-752-0900

HP DeskWriter
Ink jet printer
Macintosh Plus or larger.
$365 retail
Hewlett-Packard Co.; Inquiries; PO Box 58059, MS #511L-SJ; Santa Clara, CA 95051; 800-752-0900

HP DeskWriter 310
Desktop printing with portability and optional color
Macintosh Plus or larger.
$379 retail
Hewlett-Packard Co.; Inquiries; PO Box 58059, MS #511L-SJ; Santa Clara, CA 95051; 800-752-0900

HP DeskWriter 550C
Laser-quality, plain-paper personal printer that offers simultaneous true black and color printing
Macintosh Plus or larger.
$719 retail
Hewlett-Packard Co.; Inquiries; PO Box 58059, MS #511L-SJ; Santa Clara, CA 95051; 800-752-0900

HP DeskWriter C
Ink jet printer
Macintosh Plus or larger.
$485 retail
Hewlett-Packard Co.; Inquiries; PO Box 58059, MS #511L-SJ; Santa Clara, CA 95051; 800-752-0900

HP DraftMaster Plus
Pen plotters
Macintosh 512K or larger.
$7,895 retail
Hewlett-Packard Co.; Inquiries; PO Box 58059, MS #511L-SJ; Santa Clara, CA 95051; 800-752-0900

HP LaserJet 4 And 4M
600 dpi laser printers
Macintosh Plus or larger.
$1,759 retail; HP LaserJet 4
$2,399 retail; HP LaserJet 4M
Hewlett-Packard Co.; Inquiries; PO Box 58059, MS #511L-SJ; Santa Clara, CA 95051; 800-752-0900

HP LaserJet 4Si And LaserJet 4Si MX
17-ppm, 600 dpi network laser printers
Macintosh Plus or larger.
$3,749 retail; HP LaserJet 4Si
$5,499 retail; HP LaserJet 4Si MX
Hewlett-Packard Co.; Inquiries; PO Box 58059, MS #511L-SJ; Santa Clara, CA 95051; 800-752-0900

HP PaintJet XL300
Plain-paper color printers
Macintosh Plus or larger.
$2,795 retail; HP PaintJet XL300
$3,995 retail; HP PaintJet XL300 with Adobe PostScript Level 2
Hewlett-Packard Co.; Inquiries; PO Box 58059, MS #511L-SJ; Santa Clara, CA 95051; 800-752-0900

Hurdler Centronics Parallel Interface Board
Connects a Mac to any device that uses a Centronics-compatible interface
Macintosh II family.
$199 retail
Creative Solutions, Inc.; 4701 Randolph Rd., Ste. 12; Rockville, MD 20852; 301-984-0262, 800-367-8465 (orders) or 301-770-1675 (fax)

Infotek GP2106
D-size plotter
Macintosh Plus or larger.
$4,395 retail
Infotek, Inc.; 56 Camille; E. Patchogue, NY 11772; 516-289-9682

Infotek Printers & Plotters
Printers, plotters and accessories
Macintosh 512K or larger.
$1,950 retail; Personal Laser Printer
$4,495 retail; LaserImage Printer with 2 MB of RAM
$3,300 to $6,800 retail; Network Laser Printer
$1,995 retail; MacLaser graphics and text laser printer
$16,995 retail; Big 'N Fast Laser (11 by 17-inch, 26 page/min. PostScript laser printer)
$16,995 retail; Big 'N Fast Laser (11 by 17-inch, 26 page/min. PostScript laser printer)
$14,999 retail; Atlas PS 600 (600 by 600 dpi PostScript laser printer)
$1,995 retail; Mac Plotter
$2,595 retail; Color Plot II
$6,485 retail; High Volume PostScript Laser Printer
$18,495 retail; IT 600 Plain Paper Typesetter System
$15,995 retail; ProLaser
$18,975 retail; T480 Plain Paper PostScript Laser Typesetter
$32,750 retail; T1000 Plain Paper PostScript Laser Typesetter
$6,990 retail; PostScript Printer (16 million colors, 300 dpi)
$995 retail; Vinyl, Rubylith Cutter for Plotter
$2,595 retail; MacTruePrint
$199 retail; SpeedPrint
$3,995 and up retail; VersaNRIP
Infotek, Inc.; 56 Camille; E. Patchogue, NY 11772; 516-289-9682

Infotek SuperJet
Plain-paper printing system
Macintosh Plus or larger.
$1,199 retail
Infotek, Inc.; 56 Camille; E. Patchogue, NY 11772; 516-289-9682

Infotek SuperJet+
C-size printer/plotter
Macintosh Plus or larger.
$2,899 retail; typical configured PostScript printer
Infotek, Inc.; 56 Camille; E. Patchogue, NY 11772; 516-289-9682

IRIS 3024 And IRIS 3047
Continuous color ink jet printers
Macintosh Plus or larger.
$84,500 to $123,000 retail
IRIS Graphics, Inc.; 6 Crosby Dr.; Bedford, MA 01730; 617-275-8777, 800-947-4710 or 617-275-8590 (fax)

■ **IRIS SmartJet 4012**
High-performance color proofer
Any Macintosh.
IRIS SmartJet 4012 is a high-performance color proofer, utilizing standard-size (12 by 18-inch) paper for printing digital images up to 10.6 by 17.2 inches. The SmartJet 4012 prints four process colors in a single pass operation by placing from one to 31 microscopic droplets of ink. Capable of operating in a fast and unattended fashion, the SmartJet 4012 is ideal for producing art-quality, four-color output, directly from the desktop.
$39,500 retail
Scitex America Corp.; 8 Oak Park Dr.; Bedford, MA 01730; 617-275-5150 or 617-275-3430 (fax)

IRIS SmartJet 4012
Continuous color ink jet printer
Macintosh Plus or larger.
$39,000 retail
IRIS Graphics, Inc.; 6 Crosby Dr.; Bedford, MA 01730; 617-275-8777, 800-947-4710 or 617-275-8590 (fax)

JetWay
Enables up to eight users, both Macintosh and PC, to have simultaneous access to any parallel printer
Macintosh Plus or larger; On Page or MacJet printer drivers.
$345 to $545 retail
ASP Computer Products, Inc.; 160 San Gabriel Dr.; Sunnyvale, CA 94086; 408-746-2965, 800-445-6190 or 408-746-2803 (fax)

Jolt PSe
Solid ink color printer
Macintosh Plus or larger.
$4,995 retail
Dataproducts Corp.; 6219 De Soto Ave.; PO Box 746; Woodland Hills, CA 91365; 818-887-8000, 800-980-0374 or 818-887-4789 (fax)

JX-735 Color Ink Jet Printer
Color ink jet printer
Macintosh SE/30 or II.
$2,195 suggested retail
Sharp Electronics Corp.; Sharp Plaza, Box F; Mahwah, NJ 07430; 201-529-9594

JX-9600PS PostScript Laser Printer
8 ppm PostScript laser printer
Macintosh Plus or larger.
Call for pricing
Sharp Electronics Corp.; Sharp Plaza, Box F; Mahwah, NJ 07430; 201-529-9594

Kodak 450GL Digital Color Printer
Produces 4 by 5.5-inch continuous tone color prints with as many as 16.7 million colors and 256 levels of gray
Macintosh II or Quadra family; 4 MB of RAM; available slot for NuBus board; System 6.0.8 or later.
$1,749 retail; includes NuBus board
Eastman Kodak Co.; Professional Imaging; 343 State St.; Rochester, NY 14650; 716-724-4000, 800-242-2424, ext. 77 or 716-724-9261 (fax to attn: Electronic Imaging)

Kodak Diconix 180si Printer/Serial
Portable printer
Macintosh Plus or larger; System 6.0.2 or later.
$349 retail
$39.95 retail; Kodak Mpower 180si Interface Kit
Eastman Kodak Co.; Desktop Imaging Division; 901 Elmgrove Rd.; Rochester, NY 14653; 800-344-0006 or 716-726-3758 (fax)

Kodak Diconix M150 Plus Printer
Portable ink jet printer
Macintosh Plus or larger; System 6.0.2 or later.
$449 retail
Eastman Kodak Company; 901 Elmgrove Rd.; Rochester, NY 14653; 800-344-0006

Kodak XLS 8300 Digital Printer
Thermal dye sublimation printer
Macintosh II or Quadra family.
$10,995 retail
Eastman Kodak Co.; Professional Imaging; 343 State St.; Rochester, NY 14650; 716-724-4000, 800-242-2424, ext. 77 or 716-724-9261 (fax to attn: Electronic Imaging)

Kodak XLT 7720 Digital Continuous Tone Printer
Thermal dye sublimation printer
Macintosh II or Quadra family.
$24,895 retail
Eastman Kodak Co.; Professional Imaging; 343 State St.; Rochester, NY 14650; 716-724-4000, 800-242-2424, ext. 77 or 716-724-9261 (fax to attn: Electronic Imaging)

KX-P4455 Laser Partner
11 ppm PostScript laser printer
Macintosh Plus or larger.
$2,995 retail
Panasonic Communications & Systems Co.; 2 Panasonic Way; Secaucus, NJ 07094; 201-348-7155 or 201-392-6910 (fax)

LabelWriter XL
Label printer
Macintosh 512KE or larger.
$249.95 retail
$199 retail; AppleTalk Network Box
$9.95 retail; two rolls of 130 white labels each
$19.95 retail; two rolls of 350 white labels each
$9.95 retail; one roll of 130 clear labels
$6.95 retail; one roll of 130 yellow labels
CoStar Corp.; 100 Field Point Rd.; Greenwich, CT 06830; 203-661-9700, 800-426-7827 or 203-661-1540 (fax)

LabelWriter XL Plus
Label printer
Macintosh 512KE or larger.
$299.95 retail
$199 retail; AppleTalk Network Box
$9.95 retail; address labels (two rolls of 130 labels each)
$19.95 retail; address labels (two rolls of 350 labels each)
$19.95 retail; two-up address labels (one roll of 700 labels)
$19.95 retail; shipping labels (one roll of 300 labels)
$9.99 retail; diskette labels (two rolls of 100 labels each)
$9.95 retail; clear address labels (one roll of 130 labels)
$6.95 retail; yellow address labels (one roll of 130 labels)
$19.95 retail; VHS spine labels (two rolls of 200 labels)
$19.95 retail; VHS top labels (one roll of 300 labels)
CoStar Corp.; 100 Field Point Rd.; Greenwich, CT 06830; 203-661-9700, 800-426-7827 or 203-661-1540 (fax)

LaserLeader Mark 9115
CAD laser plotter/printer
Macintosh Plus or larger.
$5,995 to $6,595 retail
BGL Technology Corp.; 451 Constitution Ave.; Camarillo, CA 93012; 805-987-7305 or 805-987-7346 (fax)

LaserLeader Mark 9120
Departmental laser plotter/printer
Macintosh Plus or larger.
$12,925 to $14,995 retail
BGL Technology Corp.; 451 Constitution Ave.; Camarillo, CA 93012; 805-987-7305 or 805-987-7346 (fax)

LaserLeader Mark 9232
High-volume/multinetwork laser printer/plotter
Macintosh Plus or larger.
$16,195 to $16,995 retail
BGL Technology Corp.; 451 Constitution Ave.; Camarillo, CA 93012; 805-987-7305 or 805-987-7346 (fax)

LaserLeader Mark 9315
High-resolution laser plotter/printer
Macintosh Plus or larger.
$6,995 to $7,295 retail
BGL Technology Corp.; 451 Constitution Ave.; Camarillo, CA 93012; 805-987-7305 or 805-987-7346 (fax)

LaserLeader Mark 9320
Multifunctional laser plotter/printer
Macintosh Plus or larger.
$7,495 to $7,995 retail
BGL Technology Corp.; 451 Constitution Ave.; Camarillo, CA 93012; 805-987-7305 or 805-987-7346 (fax)

LaserMaster 1200XL Personal Typesetter
1,200 dpi, 11 by 17-inch personal typesetter
Macintosh II or Quadra family.
$4,995 retail
LaserMaster Corp.; 6900 Shady Oak Rd.; Eden Prairie, MN 55344; 612-944-9330, 800-950-6868 or 612-944-0522 (fax)

LaserMaster Unity 1200XL-O
Plain-paper typesetter
Macintosh Plus or larger.
$8,995 retail
LaserMaster Corp.; 6900 Shady Oak Rd.; Eden Prairie, MN 55344; 612-944-9330, 800-950-6868 or 612-944-0522 (fax)

LaserMaster Unity 1200XL-T
Large-format, 1,200 dpi, plain-paper typesetter
Macintosh Plus or larger.
$6,995 retail
LaserMaster Corp.; 6900 Shady Oak Rd.; Eden Prairie, MN 55344; 612-944-9330, 800-950-6868 or 612-944-0522 (fax)

Linotronic Series 200, 300, 500
Laser imagesetters
Macintosh Plus or larger.
$19,950 to $90,000 retail
Linotype-Hell Co.; 425 Oser Ave.; Hauppauge, NY 11788; 516-434-2000, 800-633-1900 or 516-434-2706 (fax)

LX-29000
PostScript laser printer
Any Macintosh.
$595 retail
The Printer Works; 3481 Arden Rd.; Hayward, CA 94545; 510-887-6116, 800-225-6116 or 510-786-0589 (fax)

LZR 1580
15 ppm, 11 by 17-inch format laser printer
Macintosh Plus or larger.
$4,595 retail
Dataproducts Corp.; 6219 De Soto Ave.; PO Box 746; Woodland Hills, CA 91365; 818-887-8000, 800-980-0374 or 818-887-4789 (fax)

LZR 2080
20 ppm, 11 by 17-inch format laser printer
Macintosh Plus or larger.
$5,495 retail
Dataproducts Corp.; 6219 De Soto Ave.; PO Box 746; Woodland Hills, CA 91365; 818-887-8000, 800-980-0374 or 818-887-4789 (fax)

■ **Mac-Barcode PrinterLite**
Print retail and industrial bar-code labels
Macintosh with 2 MB of RAM; hard disk drive; free serial port; System 6.0.5 or later.
Mac-Barcode PrinterLite enables users to print retail and industrial bar-code labels directly from a Macintosh. Mac-Barcode ProLabel software, which is included with this compact, state-of-the-art, thermal

These Products Available Through Bottom Line Distribution
1-800-347-1923

transfer printer, produces professional bar-code labels in a variety of sizes for virtually any application. It prints bar-code labels with any of 10 symbologies supported by Mac-Barcode ProLabel. Quiet operation, in as little as 3.5 seconds with a wide choice of label sizes makes this package both versatile and efficient.
$599 retail
The Mac-Barcode Company; 260 Washington St.; PO Box 1814; Duxbury, MA 02331; 617-934-7585, 800-733-7592 or 617-934-6233 (fax)

MacColorPrint
Color PostScript printer
Macintosh Plus or larger.
$3,495 retail
Infotek, Inc.; 56 Camille; E. Patchogue, NY 11772; 516-289-9682

MacFastPrint
Throughput enhancer; hardware and software
Macintosh II or larger; A/UX; 4 MB of RAM; Centronics parallel interface on imagesetter.
$995 retail
Paragon Publishing Systems; Bedford Springs Office Park; 10 Corporate Dr.; Bedford, NH 03110; 603-471-0077, 800-431-1403 or 603-471-0501 (fax)

Master Switch
Versatile interface unit for sharing and networking
Serial and/or parallel port combinations.
$295 to $849 retail; two- to nine-port box (standard series)
$695 to $1,895 retail; five- to 17-port box (network series)
$395 to $949 retail; three- to nine-port box (universal series)
Rose Electronics; 10850 Wilcrest, Ste. 900; Houston, TX 77099; 713-933-7673, 800-333-9343 or 713-933-0044 (fax)

microLaser Plus
Page printer (9 ppm)
Macintosh Plus or larger.
$999 to $1,349 retail
Texas Instruments; PO Box 149149; MS 2240; Austin, TX 78714; 800-527-3500

microLaser Pro 600
8 ppm printer
Macintosh Plus or larger.
$1,599 to $1,799 retail
Texas Instruments; PO Box 149149; MS 2240; Austin, TX 78714; 800-527-3500

microLaser Turbo
PostScript printers (9 and 16 ppm)
Macintosh Plus or larger.
$1,599 retail; microLaser Turbo
$3,649 retail; microLaser Turbo XL
Texas Instruments; PO Box 149149; MS 2240; Austin, TX 78714; 800-527-3500

microLaser XL
High-volume PostScript printer (16 ppm)
Macintosh Plus or larger.
$2,399 to $3,149 retail
Texas Instruments; PO Box 149149; MS 2240; Austin, TX 78714; 800-527-3500

Microtek SnapPrint
Instant film printer
Macintosh II, Quadra, Power PC or larger; 8 MB of RAM.
Call for pricing
Microtek Lab, Inc.; 3715 Doolittle Dr.; Redondo Beach, CA 90278; 310-297-5000, 800-654-4160 or 310-297-5050 (fax)

microWriter
LED page printers
Macintosh Plus or larger.
$599 to $1,099 retail
Texas Instruments; PO Box 149149; MS 2240; Austin, TX 78714; 800-527-3500

MobileWriterPS
Portable page printer
Any Macintosh, including PowerBook; LaserWriter driver.
$999 retail
Mannesmann Tally Corp.; PO Box 97018; Kent, WA 98064; 206-251-5524, 800-843-1347 or 206-251-5520 (fax)

Model 5000 Image Controller
Handles font storage and RIPing functions
Macintosh with 8 MB of RAM (included in system); high-speed Centronics interface recommended.
$17,995 retail; base model
Varityper, Inc.; 11 Mt. Pleasant Ave.; E. Hanover, NJ 07936; 201-887-8000, ext. 999 or 800-631-8134

Model 5100
Imagesetter
Any Macintosh; Model 4000 or 5000 Image Controller.
$14,995 retail; base model
Varityper, Inc.; 11 Mt. Pleasant Ave.; E. Hanover, NJ 07936; 201-887-8000, ext. 999 or 800-631-8134

Model 5500
Photomedia imagesetter
Any Macintosh; Model 4000 or 5000 Image Controller.
$44,995 to $49,995 retail; base model
$5,000 retail; PostScript Compatible Interpreter
$7,500 retail; Graphic Subsystem option
$6,495 retail; Accelerator II option
Varityper, Inc.; 11 Mt. Pleasant Ave.; E. Hanover, NJ 07936; 201-887-8000, ext. 999 or 800-631-8134

Model 5510
Laser imagesetter
Any Macintosh; Model 4000 or 5000 Image Controller.
$43,990 to $52,990 retail; base model
Varityper, Inc.; 11 Mt. Pleasant Ave.; E. Hanover, NJ 07936; 201-887-8000, ext. 999 or 800-631-8134

Model 5660
Large-format drum recorder
Any Macintosh; Model 4000 or 5000 image controllers.
$79,995 retail; base model
Varityper, Inc.; 11 Mt. Pleasant Ave.; E. Hanover, NJ 07936; 201-887-8000, ext. 999 or 800-631-8134

Mutoh iP-210
B-size personal plotter
Serial and parallel port and HPGL emulation.
$1,395 retail
Mutoh America Inc.; 500 W. Algonquin Rd.; Mt. Prospect, IL 60056; 708-952-8880 or 708-952-8808 (fax)

Mutoh RT-500
E-size direct imaging thermal plotter
Serial and parallel port and HPGL emulation.
Call for pricing
Mutoh America Inc.; 500 W. Algonquin Rd.; Mt. Prospect, IL 60056; 708-952-8880 or 708-952-8808 (fax)

Mutoh XP-500 Series
E and D-size pencil/pen plotters
Serial port and HPGL emulation.
$7,595 retail; XP-510R
$6,300 retail; XP-510
$4,800 retail; XP-511
Mutoh America Inc.; 500 W. Algonquin Rd.; Mt. Prospect, IL 60056; 708-952-8880 or 708-952-8808 (fax)

NB-PRL
Centronics interface for image processing turnkey packages
Power Macintosh or NuBus (7-inch board); Centronics-compatible printer or plotter.
$495 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

NEC Silentwriter Model 1097
10 ppm, 600 dpi workgroup laser printer
Macintosh Plus or larger.
Call for pricing
NEC Technologies Inc.; 1414 Massachusetts Ave.; Boxborough, MA 01719; 508-264-8000, 800-632-4636 or 800-366-0476(fax)

NEC Silentwriter Model 640
6 ppm compact personal laser printer
Macintosh Plus or larger; System 6.0.7 or later.
Call for pricing
NEC Technologies Inc.; 1414 Massachusetts Ave.; Boxborough, MA 01719; 508-264-8000, 800-632-4636 or 800-366-0476(fax)

Nikon CP-3000
Full-color printer
Macintosh Plus or larger.
$6,995 retail
Nikon Electronic Imaging; 1300 Walt Whitman Rd.; Melville, NY 11747; 516-547-4355 or 516-547-0305 (fax)

Océ 9055/C
High-speed monochrome plotter
Macintosh Plus or larger.
$16,990 retail
Océ-Bruning; 1800 Bruning Dr. W; Itasca, IL 60143; 708-351-2900 or 708-351-7549 (fax)

Océ 9055/R
High-speed raster plotter
Macintosh Plus or larger.
$13,490 retail
Océ-Bruning; 1800 Bruning Dr. W; Itasca, IL 60143; 708-351-2900 or 708-351-7549 (fax)

Océ 9555
Digital plotter
Macintosh Plus or larger.
$37,990 retail
Océ-Bruning; 1800 Bruning Dr. W; Itasca, IL 60143; 708-351-2900 or 708-351-7549 (fax)

Océ 9575
Digital plotter/copier
Macintosh Plus or larger.
$53,990 retail
Océ-Bruning; 1800 Bruning Dr. W; Itasca, IL 60143; 708-351-2900 or 708-351-7549 (fax)

Okidata OL400 LED Page Printer
Page printer
Macintosh Plus or larger.
$999 retail
Okidata, An Oki America Co.; 532 Fellowship Rd.; Mount Laurel, NJ 08054; 609-235-2600

Okidata OL840 LED Page Printer
Page printer
Macintosh Plus or larger.
$2,599 retail
Okidata, An Oki America Co.; 532 Fellowship Rd.; Mount Laurel, NJ 08054; 609-235-2600

OmniPlotter
Color plotter
Any Macintosh.
$4,995 retail
JDL, U.S. Sales Division; 4770 Calle Quetzal; Camarillo, CA 93012; 800-899-8709 or 805-388-8708 (fax)

PaperMaster 1200SA
1,200 dpi plain-paper output to 11 by 17 inches
Any Macintosh.
$9,995 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

PaperMaster 600
Plain-paper output at up to 11 by 17 inches at 600 dpi
Any Macintosh.
$10,000 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

Personal ColorPoint PSE
Thermal wax transfer printer
Any color-capable Macintosh; System 6.0.3 or later.
$2,999 retail
Seiko Instruments USA, Inc.; 1130 Ringwood Ct.; San Jose, CA 95131; 408-922-5900, 800-533-5312 or 408-922-5835 (fax)

Personal LaserPrinter II
Full-featured laser printer
Macintosh Plus or larger.
$659 retail
GCC Technologies, Inc.; 209 Burlington Rd.; Bedford, MA 01730; 617-275-5800, 800-422-7777 or 617-275-1115 (fax)

Phaser 220e And Phaser 220i
600 by 300 dpi thermal transfer color printers
Macintosh Plus or larger.
$3,995 retail; Phaser 220e
$5,995 retail; Phaser 220i
Tektronix, Inc.; Graphics Printing and Imaging Division; PO Box 1000, Mail Station 63-630; Wilsonville, OR 97070; 800-835-6100

Phaser 300i
300 dpi, phase-change color ink jet printer
Macintosh Plus or larger.
$9,995 retail
Tektronix, Inc.; Graphics Printing and Imaging Division; PO Box 1000, Mail Station 63-630; Wilsonville, OR 97070; 800-835-6100

Phaser 480
300 dpi, dye sublimation color printer
Macintosh Plus or larger.
$14,995 retail
Tektronix, Inc.; Graphics Printing and Imaging Division; PO Box 1000, Mail Station 63-630; Wilsonville, OR 97070; 800-835-6100

Phaser III PXi
300 dpi tabloid-sized, plain-paper color printer
Macintosh Plus or larger.
$6,995 retail
Tektronix, Inc.; Graphics Printing and Imaging Division; PO Box 1000, Mail Station 63-630; Wilsonville, OR 97070; 800-835-6100

Phaser IISDX
300 dpi dye-sublimation color printer
Macintosh Plus or larger.
$9,995 retail
Tektronix, Inc.; Graphics Printing and Imaging Division; PO Box 1000, Mail Station 63-630; Wilsonville, OR 97070; 800-835-6100

Port Authority
Traffic manager for any combination of up to 16 Macintoshes, PCs, printers and plotters
Macintosh Classic or larger; On Page or MacJet printer drivers.
$295 to $945 retail
ASP Computer Products, Inc.; 160 San Gabriel Dr.; Sunnyvale, CA 94086; 408-746-2965, 800-445-6190 or 408-746-2803 (fax)

Porter
Enables users to connect a single Macintosh to several peripherals
Serial or parallel port.
$395 to $495 retail; 4-port or 8-port box
Rose Electronics; 10850 Wilcrest, Ste. 900; Houston, TX 77099; 713-933-7673, 800-333-9343 or 713-933-0044 (fax)

PostScript Compatible Interpreter
Allows Varityper Series 5000 users to output PostScript-formatted data
Any Macintosh.
$22,995 retail; base 5000 Controller with PCI
Varityper, Inc.; 11 Mt. Pleasant Ave.; E. Hanover, NJ 07936; 201-887-8000, ext. 999 or 800-631-8134

PowerPrint/LT 1.0.1
Allows users to print from a networked Macintosh to more than 1,000 printers over AppleTalk
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.7 or later.
$399 retail
GDT Softworks Inc.; 4664 Lougheed Hwy., Ste. 188; Burnaby, BC, Canada V5C 6B7; 604-291-9121, 800-663-6222 (U.S.) or 604-291-9689 (fax)

Primera Color Printer
Wax thermal transfer and dye sublimation page printer
Macintosh Classic II, Color Classic, LC, II, Centris or Quadra; 4 MB of RAM; 5 MB of free hard disk space; System 6.0.3 or later.
$995 retail
$199.95 retail; Macintosh interface kit
$249.95 retail; Photo-Realistic Upgrade Kit
FARGO Electronics, Inc.; 7901 Flying Cloud Dr.; Eden Prairie, MN 55344; 612-941-9470, 800-327-4622 or 612-941-7836 (fax)

■ **PrimeraPro Color Printer**
Dual-function dye-sublimation/wax thermal transfer color page printer
Macintosh Classic II, Color Classic, LC II, Centris or Quadra; 4 MB of RAM; 5 MB of free hard disk space; System 6.0.3 or later.
The PrimeraPro Color Printer is a 600 by 300 dpi dual-function dye-sublimation/wax thermal transfer color page printer. It is ideal for proofs, comps, illustrations, photos, scientific and architectural renderings, 3-D models and final artwork. It includes serial, parallel or AppleTalk interfaces. Adobe PostScript Level 2 and Ethernet are optional and Apple ColorSync is supported. It prints on standard laser paper, transparency film — even T-shirt transfers and mug transfers.
$1,895 retail
FARGO Electronics, Inc.; 7901 Flying Cloud Dr.; Eden Prairie, MN 55344; 612-941-9470, 800-327-4622 or 612-941-7836 (fax)

Printer Optimizer
Printer/plotter control center; printer/plotter buffer (expandable to 1 MB), adapter, data translator, protocol converter
Any Macintosh; any RS-232C or Centronics parallel device.
$349 retail
CONNEXPERTS; One Galleria Tower; 13355 Noel Rd., Ste. 1600; Dallas, TX 75240; 214-233-8800, 800-433-5373 or 214-239-6490 (fax)

Printware 1217 Pro-III
Plain paper laser printer/platemaker
Macintosh Plus or larger.
$15,990 retail
Printware, Inc.; 1270 Eagan Industrial Rd.; St. Paul, MN 55121; 612-456-1400, 800-456-1616 or 612-454-3684 (fax)

Professional ColorPoint PSH
PostScript language compatible color printers
Any color-capable Macintosh; System 6.0.3 or later.
$9,999 retail
Seiko Instruments USA, Inc.; 1130 Ringwood Ct.; San Jose, CA 95131; 408-922-5900, 800-533-5312 or 408-922-5835 (fax)

ProofExpress
Roll-fed proofer
Any Macintosh.
$18,500 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

PS4000 RIP
Raster image processor
Any Macintosh.
$27,500 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

■ **QMS 1060 Print System**
Monochrome laser print system
Any Macintosh.
QMS 1060 Print System is a 10-page-per-minute monochrome laser print system featuring out-of-the-box 600 by 600 dpi resolution on letter/A4 pages (legal-size pages are supported at 300 by 300 dpi — at 600 by 600 dpi with a RAM upgrade), a QMS Crown controller for enhanced processing speed, spooling capabilities, front panel operation and advanced functionality ideal for multihost, multinetwork environments. Combining 8 MB of RAM, an IDT 3081 RISC-based controller and a PostScript Level 1 and Level 2 compatible page description language, the QMS 1060 Print System can process high-quality text, graphics and images at impressive speeds. It features ESP (Emulation Sensing Processor) technology, SIO (Simultaneous Interface Operations) and CrownNet Interface option. It also includes HP PCL Level 5, HP-GL and line printer emulations, one letter/A4-size paper tray, power cord, one toner cartridge, PS Executive Series utilities software and user's guide.
$2,699 reference price
QMS, Inc.; One Magnum Pass; Mobile, AL 36618; 205-633-4300, 800-523-2696 or 205-633-4866 (fax)

■ **QMS 1660 Print System**
Laser print system
Any Macintosh.
QMS 1660 Print System is a 16 page-per-minute monochrome laser print system featuring out-of-the-box 1,200 by 600 dpi resolution, full bleed 11 by 17-inch page support, a QMS Crown controller for enhanced processing speed, spooling capabilities, front panel operation and advanced functionality ideal for multihost, multinetwork environments. The printer is available in two configurations: 12 MB of RAM provides 1,200 by 600 resolution on letter/A4-size pages (600 by 600 dpi resolution on larger pages); and 24 MB of RAM unit provides 1,200 by 600 dpi resolution on all page sizes. Combining an IDT 3081 RISC-based controller and a PostScript Level 1 and Level 2 compatible page description language, the QMS 1660 Print System can process high-quality text, graphics and images at impressive speeds. Features include ESP (Emulation Sensing Processor) technology, SIO (Simultaneous Interface Operation) and CrownNet interface option. It also includes HP PCL Level 5, HP-GL and line printer emulations, one letter/A4-size paper tray, one 11 by 17-inch/A3 paper tray, power cord, one toner cartridge, PS Executive Series utilities software and user's guide.
$4,199 reference price; 12 MB RAM configuration
$5,199 reference price; 24 MB RAM configuration
QMS, Inc.; One Magnum Pass; Mobile, AL 36618; 205-633-4300, 800-523-2696 or 205-633-4866 (fax)

QMS 1725 Print System
Multinetwork laser printer
Macintosh Plus or larger.
$4,499 reference price
QMS, Inc.; One Magnum Pass; Mobile, AL 36618; 205-633-4300, 800-523-2696 or 205-633-4866 (fax)

QMS 1725 SLS Print System
Monochrome multiresolution laser printer
Macintosh Plus or larger.
$5,399 reference price with 40 MB internal hard drive
$5,759 reference price with 170 MB internal hard drive
QMS, Inc.; One Magnum Pass; Mobile, AL 36618; 205-633-4300, 800-523-2696 or 205-633-4866 (fax)

QMS 2025 And 3225 Kanji Print Systems
PostScript laser printers
Macintosh Plus or larger.
$24,999 and $34,999 list
$3,495 list; Advanced Paper Handling Option
QMS, Inc.; One Magnum Pass; Mobile, AL 36618; 205-633-4300, 800-523-2696 or 205-633-4866 (fax)

QMS 2025 Print System
20 ppm, RISC-based multinetwork departmental laser printer
Macintosh Plus or larger.
$12,995 retail
QMS, Inc.; One Magnum Pass; Mobile, AL 36618; 205-633-4300, 800-523-2696 or 205-633-4866 (fax)

QMS 2025 Turbo Imaging System
Monochrome laser printer
Macintosh Plus or larger.
$15,995 retail
$3,495 retail; Advanced Paper Handling Option

These Products Available Through Bottom Line Distribution
1-800-347-1923

QMS, Inc.; One Magnum Pass; Mobile, AL 36618; 205-633-4300, 800-523-2696 or 205-633-4866 (fax)

QMS 3225 Print System
32 ppm, RISC-based multinetwork departmental laser printer
Macintosh Plus or larger.
$19,995 retail
QMS, Inc.; One Magnum Pass; Mobile, AL 36618; 205-633-4300, 800-523-2696 or 205-633-4866 (fax)

QMS 3225 Turbo Imaging System
Monochrome laser printer
Macintosh Plus or larger.
$22,999 retail
$3,495 retail; Advanced Paper Handling Option
QMS, Inc.; One Magnum Pass; Mobile, AL 36618; 205-633-4300, 800-523-2696 or 205-633-4866 (fax)

QMS 4525 Print System
45 ppm, RISC-based multinetwork laser printer
Macintosh Plus or larger.
$71,990 to $79,990 retail
QMS, Inc.; One Magnum Pass; Mobile, AL 36618; 205-633-4300, 800-523-2696 or 205-633-4866 (fax)

QMS 860 Plus Print system
8 ppm, monochrome laser print system
Macintosh Plus or larger.
$5,099 reference price
QMS, Inc.; One Magnum Pass; Mobile, AL 36618; 205-633-4300, 800-523-2696 or 205-633-4866 (fax)

QMS 860 Print System
Multinetwork laser printer
Macintosh Plus or larger.
$3,906 reference price
QMS, Inc.; One Magnum Pass; Mobile, AL 36618; 205-633-4300, 800-523-2696 or 205-633-4866 (fax)

QMS ColorScript 210 And 230
Color thermal transfer printers
Macintosh Plus or larger.
$3,495 reference price; QMS ColorScript 210
$7,355 reference price; QMS ColorScript 230
QMS, Inc.; One Magnum Pass; Mobile, AL 36618; 205-633-4300, 800-523-2696 or 205-633-4866 (fax)

QMS ColorScript Laser 1000
300 dpi laser print system
Macintosh Plus or larger.
$7,999 reference price
QMS, Inc.; One Magnum Pass; Mobile, AL 36618; 205-633-4300, 800-523-2696 or 205-633-4866 (fax)

RipExpress
PostScript raster image processor
Any Macintosh.
$12,500 to $25,500 retail
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

RISO Publisher
Multifunction document processing system
Macintosh Plus or larger; System 6.0 or later.
Under $20,000 retail
RISO, Inc.; 300 Rosewood Dr., Ste. 210; Danvers, MA 01923; 508-777-7377 or 508-777-2517 (fax)

Roland DPX Plotters
Flatbed plotters
Any Macintosh; plotter driver or MacPlot or MacPlot II.
$5,995 retail; DPX-2700
$6,995 retail; DPX-3700
$11,995 retail; DPX-4600A
Roland Digital Group; 1961 McGaw Ave.; Irvine, CA 92714; 714-975-0560 or 714-975-0569 (fax)

Roland DXY Plotters
Desktop plotters
Any Macintosh; plotter driver such as MacPlot or MacPlot II.
$1,295 retail; DXY-1150
$1,595 retail; DXY-1250
$2,195 retail; DXY-1350
Roland Digital Group; 1961 McGaw Ave.; Irvine, CA 92714; 714-975-0560 or 714-975-0569 (fax)

Roland GRX Plotters
Drafting plotters
Macintosh SE or II; connecting cable.
$4,995 retail; GRX-350
$5,995 retail; GRX-450
Roland Digital Group; 1961 McGaw Ave.; Irvine, CA 92714; 714-975-0560 or 714-975-0569 (fax)

S3600-30U
300 dpi color dye sublimation printer
Macintosh II.
$8,995 retail
Mitsubishi Electronics America, Inc.; Professional Electronics Div.; 800 Cottontail Ln.; Somerset, NJ 08873; 908-563-9889, 800-733-8439 or 908-563-0713 (fax)

S6600-30U
300 dpi color dye sublimation printer
Macintosh II.
$19,995 retail
Mitsubishi Electronics America, Inc.; Professional Electronics Div.; 800 Cottontail Ln.; Somerset, NJ 08873; 908-563-9889, 800-733-8439 or 908-563-0713 (fax)

SelectPress 1200
Large-format, high-resolution network laser printer
Macintosh Plus or larger.
$7,499 retail
GCC Technologies, Inc.; 209 Burlington Rd.; Bedford, MA 01730; 617-275-5800, 800-422-7777 or 617-275-1115 (fax)

SelectPress 600
Large-format, high-resolution network laser printer
Macintosh Plus or larger.
$4,499 retail; SelectPress 600
$5,699 retail; SelectPress 600 Pro
GCC Technologies, Inc.; 209 Burlington Rd.; Bedford, MA 01730; 617-275-5800, 800-422-7777 or 617-275-1115 (fax)

SelectSet Avantra 20
PostScript laser imagesetter
Macintosh Plus or larger.
$62,000 retail; base engine
Agfa Division, Miles Inc., Graphic Systems; 100 Challenger Rd.; Ridgefield Park, NJ 07660; 201-440-2500, 800-685-4271 or 201-440-8187 (fax)

SelectSet Avantra 25
PostScript laser imagesetter
Macintosh Plus or larger.
$82,000 retail; base engine
Agfa Division, Miles Inc., Graphic Systems; 100 Challenger Rd.; Ridgefield Park, NJ 07660; 201-440-2500, 800-685-4271 or 201-440-8187 (fax)

ServerJet
Allows up to 10 computers to access the HP LaserJet
Macintosh Classic or larger; On Page or MacJet printer drivers.
$395 to $895 retail
ASP Computer Products, Inc.; 160 San Gabriel Dr.; Sunnyvale, CA 94086; 408-746-2965, 800-445-6190 or 408-746-2803 (fax)

Shinko CHC-S446i ColorStream/DS
Dye-sublimation color printer
Macintosh II or larger; AppleTalk or EtherTalk interface.
$7,950 retail
Mitsubishi International Corp.; 701 Westchester Ave.; White Plains, NY 10604; 914-997-4999 or 914-997-4976 (fax)

Shinko CHC-S746i ColorStream/DS Plus
Color dye-sublimation printer
Macintosh II or larger; AppleTalk or EtherTalk interface.
$15,500 retail
Mitsubishi International Corp.; 701 Westchester Ave.; White Plains, NY 10604; 914-997-4999 or 914-997-4976 (fax)

Shinko CHC-S746i ColorStream/Plus
Color thermal transfer printer
Macintosh II or larger; AppleTalk or EtherTalk interface.
$6,950 retail
Mitsubishi International Corp.; 701 Westchester Ave.; White Plains, NY 10604; 914-997-4999 or 914-997-4976 (fax)

SketchMate
Professional desktop plotter and sign-making machine
Any Macintosh; connecting cable; software.
$399 to $1,195 retail; A size
$1,095 to $1,595 retail; B size
Roland Digital Group; 1961 McGaw Ave.; Irvine, CA 92714; 714-975-0560 or 714-975-0569 (fax)

Smart Label Printer Plus
Prints high-quality labels one at a time
Macintosh Plus or larger; System 6.0.3 or later.
$199.95 retail; includes software with database, text editor and bar-code generator, serial cable and one roll of 130 self-adhesive labels
$7.99 retail; white, two rolls of 130 labels each
$14.99 retail; clear, two rolls of 130 labels each
$24.99 retail; variety, four rolls of one each pink, blue, yellow and green
Seiko Instruments USA, Inc.; 1130 Ringwood Ct.; San Jose, CA 95131; 408-922-5900, 800-533-5312 or 408-922-5835 (fax)

SP-2000AP Printer
Dot matrix printer
Macintosh Plus or larger.
$349 retail
Seikosha America, Inc.; 10 Industrial Ave.; Mahwah, NJ 07430; 201-327-7227 or 800-338-2609

SP-2400AP Printer
narrow- and wide-carriage dot matrix printers
Macintosh Plus or larger.
$399 retail; SP-2400AP (narrow carriage)
$549 retail; SP-2415AP (wide carriage)
Seikosha America, Inc.; 10 Industrial Ave.; Mahwah, NJ 07430; 201-327-7227 or 800-338-2609

SP-29000
PostScript laser printer
Macintosh Plus or larger.
$677 retail
The Printer Works; 3481 Arden Rd.; Hayward, CA 94545; 510-887-6116, 800-225-6116 or 510-786-0589 (fax)

Spectra*Star Q10e
Color thermal printer
Macintosh Plus or larger.
$2,999 retail
General Parametrics Corp.; 1250 9th St.; Berkeley, CA 94710; 510-524-3950, 800-223-0999 or 510-524-9954 (fax)

Super Switch
Low-cost peripheral sharing device
Serial and parallel port combinations.
$495 retail; Model SS-9 (seven serial and two parallel ports)
Rose Electronics; 10850 Wilcrest, Ste. 900; Houston, TX 77099; 713-933-7673, 800-333-9343 or 713-933-0044 (fax)

Systematic
Networking printer buffer
Any Macintosh; any RS-232C or Centronics parallel device.
$299 retail
CONNEXPERTS; One Galleria Tower; 13355 Noel Rd., Ste. 1600; Dallas, TX 75240; 214-233-8800, 800-433-5373 or 214-239-6490 (fax)

Systemizer
Printer sharing system, networkable print buffer, serial/parallel adapter, data translator, print job controller
Any Macintosh; any RS-232C serial or Centronics parallel device.
$349 retail
CONNEXPERTS; One Galleria Tower; 13355 Noel Rd., Ste. 1600; Dallas, TX 75240; 214-233-8800, 800-433-5373 or 214-239-6490 (fax)

TechJet Designer
Bubble jet plotter
Any Macintosh.
$2,995 and $3,995 retail
CalComp Inc.; 2411 W. LaPalma Ave.; Anaheim, CA 92801; 714-821-2000 or 800-932-1212

TowerFeed 444 Multi Bin Paper Feeder
Single-sheet feeder for LaserWriter II printers
Any Macintosh; System 6.5 or later.
$1,995 to $3,745 retail
DYNABIT USA, Inc.; 324 S. Hyde Park Ave., Ste. 375; Tampa, FL 33606; 813-254-6878, 800-676-3962 or 813-254-7891 (fax)

TP-6530
High-resolution gray-scale video printer
Macintosh II or larger.
$7,975 retail
Team Systems; 2934 Corvin Dr.; Santa Clara, CA 95051; 408-720-8877 or 408-720-9643 (fax)

TurboPS Pro Series
PostScript-compatible laser printers
Macintosh Plus or larger.
$4,795 retail; TurboPS/880 (Premier Pro)
$3,995 retail; TurboPS/840e (Premier Pro)
$3,495 retail; TurboPS/660 (Task Pro)
$3,595 retail; TurboPS/630En (Task Pro)
$2,995 retail; TurboPS/630 (Task Pro)
NewGen Systems Corp.; 17550 Newhope St.; Fountain Valley, CA 92708; 714-641-8600 or 714-641-2800 (fax)

TurboPS/300p And 400p
Laser printers
Macintosh Plus or larger.
$1,995 to $2,595 retail
NewGen Systems Corp.; 17550 Newhope St.; Fountain Valley, CA 92708; 714-641-8600 or 714-641-2800 (fax)

TurboPS/600T And 1200T
Laser printers
Macintosh Plus or larger.
$12,995 to $14,995 retail; includes installation and one-year on-site warranty
NewGen Systems Corp.; 17550 Newhope St.; Fountain Valley, CA 92708; 714-641-8600 or 714-641-2800 (fax)

Typhoon 30
30 images per minute network laser printer
Macintosh Plus or larger.
$19,995 retail; simplex
$27,980 retail; duplex
Dataproducts Corp.; 6219 De Soto Ave.; PO Box 746; Woodland Hills, CA 91365; 818-887-8000, 800-980-0374 or 818-887-4789 (fax)

Typhoon 60
60 image per second laser printer
Macintosh Plus or larger.
$95,000
Dataproducts Corp.; 6219 De Soto Ave.; PO Box 746; Woodland Hills, CA 91365; 818-887-8000, 800-980-0374 or 818-887-4789 (fax)

Unigate
Parallel printer interface; OEM versions available
Macintosh II.
$195 retail; OEM inquiries welcome
Computer Friends, Inc.; 14250 NW Science Park Dr.; Portland, OR 97229; 503-626-2291 or 503-643-5379 (fax)

Versadapter
Interface converter capable of making any standard asynchronous RS-232C serial interface into 8-bit Centronics parallel and vice versa
Any Macintosh; any RS-232C or Centronics parallel device.
$119 retail
CONNEXPERTS; One Galleria Tower; 13355 Noel Rd., Ste. 1600; Dallas, TX 75240; 214-233-8800, 800-433-5373 or 214-239-6490 (fax)

VT-400, VT-800 And VT-820
Desktop, non-impact page printer/typesetters
Any Macintosh.
$16,995 to $22,995 retail
Varityper, Inc.; 11 Mt. Pleasant Ave.; E. Hanover, NJ 07936; 201-887-8000, ext. 999 or 800-631-8134

WideWriter 360
Wide-format, 17 by 22-inch printer
Macintosh Plus or larger.
$1,699 retail
GCC Technologies, Inc.; 209 Burlington Rd.; Bedford, MA 01730; 617-275-5800, 800-422-7777 or 617-275-1115 (fax)

WriteImpact
Letter-quality, 24-pin printer
Macintosh Plus or larger.
$599 retail
GCC Technologies, Inc.; 209 Burlington Rd.; Bedford, MA 01730; 617-275-5800, 800-422-7777 or 617-275-1115 (fax)

WriteMove II
Portable thermal fusion printer
Macintosh Plus or larger.
$329 retail
GCC Technologies, Inc.; 209 Burlington Rd.; Bedford, MA 01730; 617-275-5800, 800-422-7777 or 617-275-1115 (fax)

Hardware & Peripherals/ Projection

1600GS
High-contrast black and white LCD projection panel
Macintosh Plus or larger.
$1,695 retail
In Focus Systems, Inc.; 7770 SW Mohawk St.; Tualatin, OR 97062; 503-692-4968, 800-327-7231 or 503-692-4476 (fax)

1600LC
Color LCD projection panel
Macintosh Plus or larger.
$2,395 retail
In Focus Systems, Inc.; 7770 SW Mohawk St.; Tualatin, OR 97062; 503-692-4968, 800-327-7231 or 503-692-4476 (fax)

3M 4100 And 4850 Projection Panels
LCD panels
Any Macintosh.
$2,895 to $3,599 retail
3M Visual Systems Division; 6801 River Place Blvd.; Austin, TX 78726; 800-328-1371 or 512-984-7279 (fax)

3M 9800 High Lumen Overhead Projector
Enhanced illumination overhead projector
Macintosh II family.
$1,129 starting price retail
3M Visual Systems Division; 6801 River Place Blvd.; Austin, TX 78726; 800-328-1371 or 512-984-7279 (fax)

3M Model 5150 Projection Panel
True color, active-matrix LCD panel
Any Macintosh.
$5,295 retail
$795 retail; Model CB9510 Video Adapter
3M Visual Systems Division; 6801 River Place Blvd.; Austin, TX 78726; 800-328-1371 or 512-984-7279 (fax)

3M Model 5900 Projection Panel
True color, active-matrix LCD panel
Any Macintosh.
$7,595 retail
3M Visual Systems Division; 6801 River Place Blvd.; Austin, TX 78726; 800-328-1371 or 512-984-7279 (fax)

7000FX
Color LCD projection panel
Macintosh Plus or larger.
$3,995 retail
In Focus Systems, Inc.; 7770 SW Mohawk St.; Tualatin, OR 97062; 503-692-4968, 800-327-7231 or 503-692-4476 (fax)

7600WS
High-resolution color LCD projection panel
Macintosh LC or larger, including PowerBooks (require third-party adapter).
$8,995 retail
In Focus Systems, Inc.; 7770 SW Mohawk St.; Tualatin, OR 97062; 503-692-4968, 800-327-7231 or 503-692-4476 (fax)

Apollo Memory Smart Data Presentation System PC-9950
Lets users present computer-generated presentations without a computer
Macintosh II.
$1,659 retail
Apollo Audio Visual; 60 Trade Zone Ct.; Ronkonkoma, NY 11779; 516-467-8033, 800-777-3750 or 516-467-8996 (fax)

Apollo Presenter PC-9602
LCD display with Mac Quickset
Macintosh Plus or SE.
$1,819 retail; LCDs built into OHPs also available
Apollo Audio Visual; 60 Trade Zone Ct.; Ronkonkoma, NY 11779; 516-467-8033, 800-777-3750 or 516-467-8996 (fax)

Apollo Presenter PC-9690
LCD display
Macintosh Plus or larger.
$2,098 retail
Apollo Audio Visual; 60 Trade Zone Ct.; Ronkonkoma, NY 11779; 516-467-8033, 800-777-3750 or 516-467-8996 (fax)

Apollo Vision 16.7
True color LCD panel
Macintosh II.
$7,595 retail
Apollo Audio Visual; 60 Trade Zone Ct.; Ronkonkoma, NY 11779; 516-467-8033, 800-777-3750 or 516-467-8996 (fax)

Apollo Vision 25K
True color LCD panel
Macintosh Plus or larger.
$4,325 retail
Apollo Audio Visual; 60 Trade Zone Ct.; Ronkonkoma, NY 11779; 516-467-8033, 800-777-3750 or 516-467-8996 (fax)

■ **ASK Impact 21**
LCD projection panel
Macintosh II or larger.
The Impact 21 is a true-color LCD projection panel that uses the latest "active matrix" LCD technology to project more than 2 million crisp, bright colors from any Apple color monitor signal. Users simply connect the Impact 21 to the monitor port and use a standard overhead projector to reach a larger audience with the Macintosh image. Cabling for both Macintosh and IBM hookup is included and everything ships in a rugged attaché-style carrying case. With an optional video converter, the Impact 21 can project full-motion or still video from a VCR, videodisc player or CD-ROM with exceptional clarity and brightness. A wireless remote control permits panel adjustment and source switching from anywhere in the room.
$4,995 retail
ASK LCD, Inc.; 55 Cambridge St., Ste. 102; Burlington, MA 01803; 617-270-5577

ASK Impact 24
Color LCD projection panel
Macintosh LC or II family (Macintosh PowerBook with monitor adapter).
$6,495 retail
ASK LCD, Inc.; 55 Cambridge St., Ste. 102; Burlington, MA 01803; 617-270-5577

These Products Available Through Bottom Line Distribution
1-800-347-1923

■ **ASK Impact 256**
LCD projection panel
Macintosh II or larger.
The Impact 256 is a true-color LCD projection panel that uses the latest "dual-scan" passive color LCD technology for the perfect combination of price and performance. Dual-scan technology offers enhanced contrast and image speed while retaining the cost benefit of passive LCD systems. The Impact 256 projects up to 256,000 colors from any color Macintosh monitor signal. Users simply connect the Impact 256 to the monitor port and use a standard overhead projector to reach a large audience with their Macintosh image. Cabling for both Macintosh and IBM hookup is included and everything ships in a rugged attaché-style carrying case. A wireless remote control permits panel adjustment from anywhere in the room and includes the ASK "BatMouse" — a wireless mouse emulator built right into the panel's remote control. Users can run presentations, conduct software training, open files and use the BatMouse to do anything their desktop mouse can do from anywhere in the room.
$3,495 retail
ASK LCD, Inc.; 55 Cambridge St., Ste. 102; Burlington, MA 01803; 617-270-5577

Barcodata 500, 801 And 1101
Large-screen video and data projectors
Macintosh II or Quadra.
$11,995 retail; Barcodata 500
$14,995 retail; Barcodata 801
$21,995 retail; Barcodata 1101
BARCO, Inc.; 1000 Cobb Place Blvd.; Kennesaw, GA 30144; 404-590-7900 or 404-590-8836 (fax)

Barcodata 5000 LC
Full-color video and data projector
Macintosh II or Quadra.
$39,995 retail
BARCO, Inc.; 1000 Cobb Place Blvd.; Kennesaw, GA 30144; 404-590-7900 or 404-590-8836 (fax)

Barcographics 1200
High-performance, ultra high-resolution graphics projector
Macintosh II or Quadra.
$34,995 retail
BARCO, Inc.; 1000 Cobb Place Blvd.; Kennesaw, GA 30144; 404-590-7900 or 404-590-8836 (fax)

Barcographics 500, 500-R And 801
Digitally-controlled, high-resolution graphics projectors
Macintosh II or Quadra.
$18,995 retail; Barcographics 500
$11,995 retail; Barcographics 500-R
$20,995 retail; Barcographics 801
BARCO, Inc.; 1000 Cobb Place Blvd.; Kennesaw, GA 30144; 404-590-7900 or 404-590-8836 (fax)

BarcoVision 1200 HD And 1600 HDTV
Large-screen video projectors
Macintosh II or Quadra.
$32,995 retail; BarcoVision 1200 HD
$18,995 retail; BarcoVision 1600 HDTV
BARCO, Inc.; 1000 Cobb Place Blvd.; Kennesaw, GA 30144; 404-590-7900 or 404-590-8836 (fax)

BarcoVision 700
Large-screen video projector
Macintosh II or Quadra.
$8,995 retail
BARCO, Inc.; 1000 Cobb Place Blvd.; Kennesaw, GA 30144; 404-590-7900 or 404-590-8836 (fax)

Boxlight 1285
Full-color LCD projection panel
Macintosh II or larger.
$2,995 retail
Boxlight Corp.; 17771 Fjord Dr. NE; Poulsbo, WA 98370; 206-779-4479, 800-762-5757 or 206-779-4955 (fax)

Boxlight 2045
High-resolution color projector
Macintosh II or larger.
$7,595 to $8,195 retail
Boxlight Corp.; 17771 Fjord Dr. NE; Poulsbo, WA 98370; 206-779-4479, 800-762-5757 or 206-779-4955 (fax)

Boxlight 2085
Color projection system
Macintosh II or larger.
$8,499 retail
Boxlight Corp.; 17771 Fjord Dr. NE; Poulsbo, WA 98370; 206-779-4479, 800-762-5757 or 206-779-4955 (fax)

CC-10
LCD panel output for Macintosh Color Classic
Macintosh Color Classic.
$129 retail
Power R Inc.; 1606 Dexter Ave. N; Seattle, WA 98144; 206-547-8000, 800-729-6970 or 206-285-0260 (fax)

ColorWriter
Multimedia writing tools
Macintosh II or larger.
$2,495 retail; ColorWriter 2
$4,495 retail; ColorWriter 400
Chisholm; 910 Campisi Way; Campbell, CA 95008; 408-559-1111, 800-888-4210 or 408-559-0444 (fax)

ECP4100 and ECP3100
Data/graphics and video projection systems
Macintosh Plus or larger.
$12,995 to $18,995 U.S. retail; ECP3100 and ECP4100
$15,995 to $21,995 U.S. retail; ECP3101 ACON and ECP4101 ACON
Electrohome Ltd.; 809 Wellington St. N; Kitchener, Ontario, Canada N2G 4J6; 519-744-7111, 800-265-2171 or 519-749-3136 (fax)

IRIS 800
Intelligent registration interface system
Macintosh II or Quadra.
$3,495 retail
BARCO, Inc.; 1000 Cobb Place Blvd.; Kennesaw, GA 30144; 404-590-7900 or 404-590-8836 (fax)

LitePro And LitePro LS
Full color, portable LCD data projector
Macintosh Plus or larger.
$5,995 retail; LitePro
$6,995 retail; LitePro LS
In Focus Systems, Inc.; 7770 SW Mohawk St.; Tualatin, OR 97062; 503-692-4968, 800-327-7231 or 503-692-4476 (fax)

LiteShow II
Portable presentation manager for computer generated presentations
Macintosh II.
$1,695 retail
In Focus Systems, Inc.; 7770 SW Mohawk St.; Tualatin, OR 97062; 503-692-4968, 800-327-7231 or 503-692-4476 (fax)

Looking Glass
LCD projection panel
Macintosh Plus or larger.
$1,795 retail
Chisholm; 910 Campisi Way; Campbell, CA 95008; 408-559-1111, 800-888-4210 or 408-559-0444 (fax)

Looking Glass Light Writer II
Electronic writing tablet and LCD projection panel
Macintosh Plus or larger.
$2,495 retail
Chisholm; 910 Campisi Way; Campbell, CA 95008; 408-559-1111, 800-888-4210 or 408-559-0444 (fax)

Luminator
LCD projector
Macintosh LC, II, Quadra or PowerBook.
$10,995 retail
nView Corp.; 860 Omni Blvd.; Newport News, VA 23606; 804-873-1354, 800-736-8439 or 804-873-2153 (fax)

MagnaByte 5090-120
LCD computer data projection panel
Macintosh II; overhead projector.
$1,535 retail
Telex Communications, Inc.; 9600 Aldrich Ave. S; Minneapolis, MN 55420; 612-887-5524, 800-828-6107 or 612-884-0043 (fax)

MagnaByte M1xa
LCD projection system
Macintosh LC, II or larger; Apple display card.
$4,595 retail
Telex Communications, Inc.; 9600 Aldrich Ave. S; Minneapolis, MN 55420; 612-887-5524, 800-828-6107 or 612-884-0043 (fax)

MagnaByte M2xa
LCD presentation system with built-in audio system, speaker and amplifier
Macintosh LC or II.
$6,090 retail
Telex Communications, Inc.; 9600 Aldrich Ave. S; Minneapolis, MN 55420; 612-887-5524, 800-828-6107 or 612-884-0043 (fax)

MagnaByte M2xba
LCD presentation system with built-in audio system, speaker and amplifier
Macintosh LC or II.
$5,195 retail
Telex Communications, Inc.; 9600 Aldrich Ave. S; Minneapolis, MN 55420; 612-887-5524, 800-828-6107 or 612-884-0043 (fax)

MagniView 480C
LCD panel
Macintosh II.
$1,899 retail
Dukane Corp.; 2900 Dukane Dr.; St. Charles, IL 60174; 708-584-2300, ext. 515 or 708-584-5156 (fax)

MagniView 800
Computer data projector
Macintosh II.
$1,799 retail
Dukane Corp.; 2900 Dukane Dr.; St. Charles, IL 60174; 708-584-2300, ext. 515 or 708-584-5156 (fax)

MagniView 840A
Computer data projector
Macintosh II.
$2,995 retail
Dukane Corp.; 2900 Dukane Dr.; St. Charles, IL 60174; 708-584-2300, ext. 515 or 708-584-5156 (fax)

MagniView 850
Computer data projector
Macintosh II or larger, including PowerBook.
$5,995 retail
Dukane Corp.; 2900 Dukane Dr.; St. Charles, IL 60174; 708-584-2300, ext. 515 or 708-584-5156 (fax)

MagniView 860
Color data/video projector
Macintosh II or larger.
$7,995 retail
Dukane Corp.; 2900 Dukane Dr.; St. Charles, IL 60174; 708-584-2300, ext. 515 or 708-584-5156 (fax)

MagniView 864
Color computer data/view projector
Macintosh II or larger, including PowerBook.
$8,495 retail
Dukane Corp.; 2900 Dukane Dr.; St. Charles, IL 60174; 708-584-2300, ext. 515 or 708-584-5156 (fax)

Marquee 9000 And Marquee 8000
Data/graphics and video projection systems
Macintosh Plus or larger.
$34,995 retail; Marquee 9000
$22,995 retail; Marquee 8000
Electrohome Ltd.; 809 Wellington St. N; Kitchener, Ontario, Canada N2G 4J6; 519-744-7111, 800-265-2171 or 519-749-3136 (fax)

MediaPro
LCD projection panel
Macintosh LC, II, Quadra or PowerBook.
$7,595 retail
nView Corp.; 860 Omni Blvd.; Newport News, VA 23606; 804-873-1354, 800-736-8439 or 804-873-2153 (fax)

MediaWall
Transforms a wall of monitors or projectors into a giant computer screen
Macintosh II.
$24,995 retail
RGB Spectrum; 950 Marina Village Pkwy.; Alameda, CA 94501; 510-814-7000 or 510-814-7026 (fax)

Model 9700 Portable Overhead Projector
Portable overhead projectors
Any Macintosh.
$849 starting price retail
3M Visual Systems Division; 6801 River Place Blvd.; Austin, TX 78726; 800-328-1371 or 512-984-7279 (fax)

nSight
LCD data projector
Macintosh 512K or larger, including Portable.
$1,995 retail
nView Corp.; 860 Omni Blvd.; Newport News, VA 23606; 804-873-1354, 800-736-8439 or 804-873-2153 (fax)

PB-10
Presentation video output for PowerBook computers
Macintosh PowerBook 140, 145, 145B and 170.
$299 retail
Power R Inc.; 1606 Dexter Ave. N; Seattle, WA 98144; 206-547-8000, 800-729-6970 or 206-285-0260 (fax)

Polaview 1800 LCD Panel
Color active matrix panel
Macintosh LC or larger.
$4,995 suggested list; Polaview 1800
$995 retail; optional video adapter kit
Polaroid Corp., Electronic Imaging Systems; 565 Technology Sq.; Cambridge, MA 02139; 800-225-1618 or 617-577-3074 (fax)

Polaview 3000 LCD panel
24-bit color LCD projection panel
Macintosh LC or larger.
$6,695 suggested list
Polaroid Corp., Electronic Imaging Systems; 565 Technology Sq.; Cambridge, MA 02139; 800-225-1618 or 617-577-3074 (fax)

Power R LCD Video Adapter For Macintosh
Video output port for driving LCD presentation systems
Macintosh 512K or larger.
$129 retail; Macintosh 512K, Plus, Classic, Classic II, SE and SE/30
$199 retail; all Macintosh computers with external monitors
Power R Inc.; 1606 Dexter Ave. N; Seattle, WA 98144; 206-547-8000, 800-729-6970 or 206-285-0260 (fax)

Presenter 520/550
Provides LCD panel output
Macintosh LC 520 and LC 550.
$129 retail
Power R Inc.; 1606 Dexter Ave. N; Seattle, WA 98144; 206-547-8000, 800-729-6970 or 206-285-0260 (fax)

■ **Presenter 575**
Provides LCD panel display
Macintosh LC 575.
The Macintosh LC 575 has a built-in 14-inch color Sony Trinitron monitor but no output for an external monitor or LCD panel. The Presenter 575 provides that output, making it easy to display the LC 575 screen in a classroom setting. The Presenter 575 installs in minutes with no tools and drives color or monochrome LCD panels and monitors. The Macintosh LC 575 PDS slot remains available for an additional card. The Presenter 575 has both D-15 (Macintosh) and HD-15 (VGA) connectors for external monitors or LCD panels.
$129 retail
Power R Inc.; 1606 Dexter Ave. N; Seattle, WA 98144; 206-547-8000, 800-729-6970 or 206-285-0260 (fax)

Proxima ColorWorks
True-color LCD projection panels
Macintosh LC, II, Quadra or PowerBook.
$3,495 retail; ColorWorks
$2,995 retail; ColorWorks SX
Proxima Corp.; 9440 Carroll Park Dr.; San Diego, CA 92121; 619-457-5500, 800-447-7694 or 619-457-9647 (fax)

Proxima MultiMode II
LCD projection panel
Any Macintosh.
$1,895 retail
Proxima Corp.; 9440 Carroll Park Dr.; San Diego, CA 92121; 619-457-5500, 800-447-7694 or 619-457-9647 (fax)

Proxima Ovation 820 And Proxima Ovation 810
Active-matrix LCD projection panels
Macintosh Plus or larger.
$5,695 retail; Proxima Ovation 820
$4,995 retail; Proxima Ovation 810
Proxima Corp.; 9440 Carroll Park Dr.; San Diego, CA 92121; 619-457-5500, 800-447-7694 or 619-457-9647 (fax)

Proxima Ovation 822 And Proxima Ovation 814
LCD projection panel
Macintosh Plus or larger.
$6,995 retail; Ovation (2 million true colors, data and video projection panel)
$6,395 retail; Ovation 814 (2 million true colors, data with optional video projection panel)
Proxima Corp.; 9440 Carroll Park Dr.; San Diego, CA 92121; 619-457-5500, 800-447-7694 or 619-457-9647 (fax)

RCVDS 800
Multi-input, modular switching system for BARCO projectors
Macintosh II or Quadra.
$2,350 retail
BARCO, Inc.; 1000 Cobb Place Blvd.; Kennesaw, GA 30144; 404-590-7900 or 404-590-8836 (fax)

Retrodata 801
67-inch diagonal rear-screen projection system
Macintosh II or Quadra.
$22,995 retail
BARCO, Inc.; 1000 Cobb Place Blvd.; Kennesaw, GA 30144; 404-590-7900 or 404-590-8836 (fax)

Retrographics 801
67-inch diagonal rear-screen projection system
Macintosh II or Quadra.
$28,995 retail
BARCO, Inc.; 1000 Cobb Place Blvd.; Kennesaw, GA 30144; 404-590-7900 or 404-590-8836 (fax)

Sayett Datashow 16.8M Color LCD Projection Panel
High-resolution LCD projection system
Macintosh Plus or larger; transmissive overhead projector.
$4,995 retail
$1,200 retail; Universal Video Decoder
$595 retail; Video Interface 2000
$129 retail; video adapter for Classic, Classic II
$99 retail; video adapter for Plus, SE, SE/30
$129 retail; soft carrying case
Sayett; 17 Tobey Village Office Park; Pittsford, NY 14534; 716-264-9250, 800-678-7469 or 716-264-9265 (fax)

Sayett Datashow 2.1M Color LCD Projection Panel
Active-matrix LCD projection panel
Macintosh II, LC, Quadra, Centris or PowerBook family.
$4,495 retail
Sayett; 17 Tobey Village Office Park; Pittsford, NY 14534; 716-264-9250, 800-678-7469 or 716-264-9265 (fax)

Sayett Datashow 480 Projection Pad
High-resolution LCD projection pad
Macintosh Plus or larger; transmissive overhead projector.
$1,895 retail
$99 retail; video adapter for Plus, SE, SE/30
$129 retail; video adapter for Classic, Classic II
$129 retail; soft carrying case
$215 retail; hard carrying case
Sayett; 17 Tobey Village Office Park; Pittsford, NY 14534; 716-264-9250, 800-678-7469 or 716-264-9265 (fax)

Sayett Datashow 512 Color Projection Panel
High-resolution LCD projection pad
Macintosh Plus or larger; transmissive overhead projector.
$3,995 retail
$129 retail; video adapter for Classic, Classic II
$99 retail; video adapter for Plus, SE, SE/30
$129 retail; soft carrying case
Sayett; 17 Tobey Village Office Park; Pittsford, NY 14534; 716-264-9250, 800-678-7469 or 716-264-9265 (fax)

Sayett Datashow Premier Color Projection Panel
High-resolution LCD projection system
Macintosh Plus or larger; transmissive overhead projector.
$4,295 retail
$1,200 retail; Universal Video Decoder
$595 retail; Video Interface 2000
$129 retail; video adapter for Classic, Classic II
$99 retail; video adapter for Plus, SE, SE/30
$129 retail; soft carrying case
$215 retail; hard carrying case
Sayett; 17 Tobey Village Office Park; Pittsford, NY 14534; 716-264-9250, 800-678-7469 or 716-264-9265 (fax)

Sayett Mediashow Color Projector
High-resolution LCD projection system
Macintosh Plus or larger.
$7,795 retail
$1,200 retail; Universal Video Decoder
$595 retail; Video Interface 2000
$149 retail; soft carrying case
$129 retail; video adapter for Classic, Classic II
$99 retail; video adapter for Plus, SE, SE/30
Sayett; 17 Tobey Village Office Park; Pittsford, NY 14534; 716-264-9250, 800-678-7469 or 716-264-9265 (fax)

Sayett Mediashow XC Color Projector
High-resolution LCD projection system
Macintosh Plus or larger.
$8,595 retail
$595 retail; Video Interface 2000
$1,200 retail; Universal Video Decoder
$129 retail; video adapter for Classic, Classic II
$99 retail; video adapter for Plus, SE, SE/30
$149 retail; soft carrying case
Sayett; 17 Tobey Village Office Park; Pittsford, NY 14534; 716-264-9250, 800-678-7469 or 716-264-9265 (fax)

Sharp QA-1150
High-color TFT LCD computer/video projection panel
Macintosh II, Quadra or PowerBook/Duo.
$5,295 retail
Sharp Electronics Corp.; LCD Products Group; Sharp Plaza, Mail Stop One; Mahwah, NJ 07430; 201-529-8731, 800-237-4277 or 201-529-9636 (fax)

Sharp QA-1650
16 million color TFT LCD computer/video projection panel
Macintosh II, Quadra or PowerBook/Duo.
$6,795 retail
Sharp Electronics Corp.; LCD Products Group; Sharp Plaza, Mail Stop One; Mahwah, NJ 07430; 201-529-8731, 800-237-4277 or 201-529-9636 (fax)

Sharp QA-350
Dual scan true color LCD computer projection panel
Macintosh II, Quadra or PowerBook/Duo.
$2,995 retail

These Products Available Through Bottom Line Distribution
1-800-347-1923

Sharp Electronics Corp.; LCD Products Group; Sharp Plaza, Mail Stop One; Mahwah, NJ 07430; 201-529-8731, 800-237-4277 or 201-529-9636 (fax)

Sharp QA-75A
Professional monochrome LCD computer projection panel
Macintosh Plus or larger.
$1,595 retail
Sharp Electronics Corp.; LCD Products Group; Sharp Plaza, Mail Stop One; Mahwah, NJ 07430; 201-529-8731, 800-237-4277 or 201-529-9636 (fax)

Sharp XG-E800U
200-inch, high-resolution LCD full-color video/data projector
Macintosh II or Quadra family.
$10,995 retail
Sharp Electronics Corp.; LCD Products Group; Sharp Plaza, Mail Stop One; Mahwah, NJ 07430; 201-529-8731, 800-237-4277 or 201-529-9636 (fax)

TFT Rainbow
Active matrix, true color projection panels
Macintosh II.
$4,295 retail; TFT Rainbow
$5,295 retail; TFT Rainbow HD
Chisholm; 910 Campisi Way; Campbell, CA 95008; 408-559-1111, 800-888-4210 or 408-559-0444 (fax)

TVT-3000
Color LCD projection panel
Macintosh Plus or larger.
$4,995 retail
$595 retail; 3000V video adapter (converts NTSC to RGB)
$5,495 retail; System 3000 (combines TVT-3000 with 3000V)
In Focus Systems, Inc.; 7770 SW Mohawk St.; Tualatin, OR 97062; 503-692-4968, 800-327-7231 or 503-692-4476 (fax)

TVT-6000
High-quality, active matrix color LCD video projector
Macintosh II.
$6,995 retail
$1,495 retail; 6000SC (converts RGB to NTSC)
$7,995 retail; System 6000 (combines TVT-6000 with 6000SC)
In Focus Systems, Inc.; 7770 SW Mohawk St.; Tualatin, OR 97062; 503-692-4968, 800-327-7231 or 503-692-4476 (fax)

ViewFrame II+2
LCD computer projection display
Macintosh 512K or larger, including Portable.
$1,395 retail
nView Corp.; 860 Omni Blvd.; Newport News, VA 23606; 804-873-1354, 800-736-8439 or 804-873-2153 (fax)

ViewFrame Spectra C
Active-matrix LCD projection panel
Macintosh LC, II or Quadra.
$4,995 retail; with onboard video
$4,595 retail; without video
$595 retail; video upgrade
nView Corp.; 860 Omni Blvd.; Newport News, VA 23606; 804-873-1354, 800-736-8439 or 804-873-2153 (fax)

ViewFrame SpectraMini
Passive-matrix LCD projection panel
Macintosh LC, II, Quadra or PowerBook.
$1,995 retail
nView Corp.; 860 Omni Blvd.; Newport News, VA 23606; 804-873-1354, 800-736-8439 or 804-873-2153 (fax)

VR-1000 Stereoscopic Projection Panel
Stereoscopic LCD overhead projection panel
Macintosh with video output or standard video tape deck.
$8,995 retail
VRex, Inc.; 8 Skyline Dr.; Hawthorne, NY 10532; 914-345-8877 or 914-345-9558 (fax)

Hardware & Peripherals/ Prototyping Boards

Hurdler Prototyping Tools
Prototyping boards
Macintosh SE/30, II or IIfx.
$49.95 to $199 retail
Creative Solutions, Inc.; 4701 Randolph Rd., Ste. 12; Rockville, MD 20852; 301-984-0262, 800-367-8465 (orders) or 301-770-1675 (fax)

MacBreeder
NuBus prototyping board
Macintosh II.
$69.95 retail
Applied Technologies; Niedstrasse 22; D-12159 Berlin; Germany; +49-30-8592958 or +49-30-8514615 (fax)

MacDapter
Test adapter for NuBus
Macintosh II.
$199 retail
Applied Technologies; Niedstrasse 22; D-12159 Berlin; Germany; +49-30-8592958 or +49-30-8514615 (fax)

Vector Prototyping Boards And Extenders
Prototyping circuit boards and test extenders
Macintosh SE or II.
$84.50 retail; Voltage/Ground Plane Prototyping Board for Mac II (5085-4)
$175 retail; High-Performance Extender Card for Mac II (3690-28)
$81.80 retail; Extender Card for Mac II (3690-27)
Vector Electronic Co.; 12460 Gladstone Ave.; Sylmar, CA 91342; 818-365-9661 or 818-365-5718 (fax)

Hardware & Peripherals/ Scanners

■ **ActionScanning System for Macintosh**
Color scanner
Any Macintosh.
ActionScanning System is a quality scanning system that includes everything users need to scan and edit images at up to 1,200 dpi, with built-in image processing to save on retouching time. The Epson ActionScanning System incorporates all three light sources in a single scan head. This TruePass technology gives users color scans in a single pass, rather than the typical three passes, providing better scans, easier and with more accurate color. Epson's built-in image processing allows users to manipulate images in preview mode before the initial scan, saving time and improving productivity. The ActionScanning System includes the Epson ES-600C color scanner, Adobe Photoshop 2.5-image editing software, ScanTastic plug-in module and desk accessory and SCSI system cable.
$999 retail
Epson America, Inc.; 20770 Madrona Ave.; Torrance, CA 90503; 310-782-0770, 800-289-3776 or 310-782-4248 (fax)

Animas Color Hand Scanner, AS-C105
Hand scanner
Macintosh SE/30 or larger; 2 MB of RAM (4 MB suggested); color monitor.
$769 suggested retail
Animas Technologies, Inc.; 47505 Seabridge Dr.; Fremont, CA 94538; 510-656-4479 or 510-656-4409 (fax)

Animas True Gray-Scale Hand Scanner, AS-B105G
Hand scanner
Macintosh SE/30 or larger; gray-scale or color monitor.
$540 suggested retail
Animas Technologies, Inc.; 47505 Seabridge Dr.; Fremont, CA 94538; 510-656-4479 or 510-656-4409 (fax)

Apple Color OneScanner
24-bit color scanner
Macintosh LC or larger; HyperCard 2.0 to use HyperScan 2.0.1; System 7.0 or later.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Apple OneScanner
Optical image scanner
Macintosh Plus or larger.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Arcus Plus
Flatbed CCD color scanner
Macintosh II family; 8 MB of RAM.
$3,495 retail
$750 retail; transparency option
Agfa Division, Miles Inc., Graphic Systems; 100 Challenger Rd.; Ridgefield Park, NJ 07660; 201-440-2500, 800-685-4271 or 201-440-8187 (fax)

ArtiScan 6000
Flatbed color scanner
Macintosh SE/30, II or Quadra.
$839 retail
$480 retail; Slide-Scan-Kit option
Computer Friends, Inc.; 14250 NW Science Park Dr.; Portland, OR 97229; 503-626-2291 or 503-643-5379 (fax)

AVR 3000/GS Plus And AVR 8800/GSX With ADF OCR Scanners
8-bit gray-scale flatbed scanners
Macintosh Plus or larger; 2 MB of RAM; 40 MB hard disk drive.
$775 retail; AVR 3000/GS Plus OCR Scanner with OCR software
$1,345 retail; AVR 8800/GSX Scanner with ADF and OCR software
AVR Technology, Inc.; 71 E. Daggett Dr.; San Jose, CA 95134; 408-434-1115, 800-544-6243 or 408-434-0968 (fax)

AVR 6600/CLX And 8800/CLX
24-bit color image scanners
Macintosh Plus or larger; 2 MB of RAM; 40 MB hard disk drive.
$1,035 retail; 8800/CLX
$905 retail; 6600/CLX
AVR Technology, Inc.; 71 E. Daggett Dr.; San Jose, CA 95134; 408-434-1115, 800-544-6243 or 408-434-0968 (fax)

AVR 8800T
24-bit color transparency scanner
Macintosh Plus or larger; 2 MB of RAM; 40 MB hard disk drive.
$1,535 retail
AVR Technology, Inc.; 71 E. Daggett Dr.; San Jose, CA 95134; 408-434-1115, 800-544-6243 or 408-434-0968 (fax)

Crosfield Magnascan Plus From Du Pont
Color scanner
Macintosh IIfx or Quadra.
$99,000 retail
Du Pont Printing & Publishing; Barley Mill Plaza, 18-1130; PO Box 80018; Wilmington, DE 19880; 800-538-7668

Desktop Imaging Studio
Combination black and white/24-bit color scanner
Macintosh II; 8 MB of RAM; 80 MB hard disk drive.
$8,695 retail
Vidar Systems Corp.; 460 Spring Park Pl.; Herndon, VA 22070; 703-471-7070 or 703-471-1165 (fax)

DPI Art-Getter 24-Bit Enhanced Scanner
24-bit, 9,600 dpi scanner
Macintosh with 68030 processor or faster; 8 MB of RAM; hard disk drive; System 6.0.5 or later.
$2,195 suggested retail
DPI Electronic Imaging Systems; 7164 Beechmont Ave., Ste. 101; Cincinnati, OH 45230; 513-231-1231, 800-597-3837 or 513-231-5618 (fax)

DPI Art-Getter 24-Bit Plus Scanner
24-bit, 6,400 dpi scanner
Macintosh with 68030 processor or faster; 8 MB of RAM; hard disk drive; System 6.0.5 or later.
$1,395 suggested retail
DPI Electronic Imaging Systems; 7164 Beechmont Ave., Ste. 101; Cincinnati, OH 45230; 513-231-1231, 800-597-3837 or 513-231-5618 (fax)

DPI Art-Getter 24-Bit Scanner
24-bit, 4,800 dpi scanner
Macintosh with 68030 processor or faster; 8 MB of RAM; hard disk drive; System 6.0.5. or later.
$1,495 retail
DPI Electronic Imaging Systems; 7164 Beechmont Ave., Ste. 101; Cincinnati, OH 45230; 513-231-1231, 800-597-3837 or 513-231-5618 (fax)

DPI Art-Getter 30-Bit Scanner
30-bit, 9,600 dpi scanner
Macintosh with 68030 processor or faster; 8 MB of RAM; hard disk drive; System 6.0.5 or later.
$3,495 retail
DPI Electronic Imaging Systems; 7164 Beechmont Ave., Ste. 101; Cincinnati, OH 45230; 513-231-1231, 800-597-3837 or 513-231-5618 (fax)

DPI Art-Getter R1-2400 24-Bit Scanner
24-bit 2400 dpi scanner
Macintosh with 68030 processor or faster; 8 MB of RAM; hard disk drive; System 6.0.5 or later.
$1,695 suggested retail
DPI Electronic Imaging Systems; 7164 Beechmont Ave., Ste. 101; Cincinnati, OH 45230; 513-231-1231, 800-597-3837 or 513-231-5618 (fax)

DPI Art-Getter R1-9600 24-Bit Scanner
24-bit 9600 dpi scanner
Macintosh with 68030 processor or faster; 8 MB of RAM; hard disk drive; System 6.0.5 or later.
$2,495 suggested retail
DPI Electronic Imaging Systems; 7164 Beechmont Ave., Ste. 101; Cincinnati, OH 45230; 513-231-1231, 800-597-3837 or 513-231-5618 (fax)

DPI Art-Getter R3-2400 24-Bit Scanner
24-bit, 2,400 dpi scanner
Macintosh with 68030 processor or faster; 8 MB of RAM; hard disk drive; System 6.0.5 or later.
$1,295 retail
DPI Electronic Imaging Systems; 7164 Beechmont Ave., Ste. 101; Cincinnati, OH 45230; 513-231-1231, 800-597-3837 or 513-231-5618 (fax)

DPI Art-Getter R3-4800 24-Bit Scanner
24-bit, 4,800 dpi scanner
Macintosh with 68030 processor or faster; 8 MB of RAM; hard disk drive; System 6.0.5 or later.
$1,295 retail
DPI Electronic Imaging Systems; 7164 Beechmont Ave., Ste. 101; Cincinnati, OH 45230; 513-231-1231, 800-597-3837 or 513-231-5618 (fax)

DT-S1015AI Desktop Color Scanner
Desktop drum color scanner
Macintosh II or Quadra family.
$19,900 retail
Screen (USA); 5110 Tollview Dr.; Rolling Meadows, IL 60008; 708-870-7400 or 708-870-0149 (fax)

DT-S1030AI Desktop Color Scanner
Desktop color drum scanner
Macintosh II or Quadra family.
$45,000 retail
Screen (USA); 5110 Tollview Dr.; Rolling Meadows, IL 60008; 708-870-7400 or 708-870-0149 (fax)

Du Pont HighLight 1875-m Scanner
60 to 2,540 dpi scanner
Macintosh II or larger; System 7.0 or later.
Call for pricing
Du Pont Printing & Publishing; Barley Mill Plaza, 18-1130; PO Box 80018; Wilmington, DE 19880; 800-538-7668

ECRM Autokon 1030C
Laser graphics system
Macintosh IIfx or Quadra 900 family; ECRM interface.
$54,875 retail
ECRM; 554 Clark Rd.; Tewksbury, MA 01876; 508-851-0207, 800-537-3276 or 508-851-7016 (fax)

ECRM Autokon 2030C
Laser input scanner
Macintosh IIfx or Quadra 900 family; ECRM interface.
$34,400 retail
ECRM; 554 Clark Rd.; Tewksbury, MA 01876; 508-851-0207, 800-537-3276 or 508-851-7016 (fax)

ECRM Autokon 2045C
Laser input scanner
Macintosh IIfx or Quadra 900 family; ECRM interface.
$59,875 retail
ECRM; 554 Clark Rd.; Tewksbury, MA 01876; 508-851-0207, 800-537-3276 or 508-851-7016 (fax)

Ektron Model 1412 Digital Imaging Camera System
Column-mounted 8- or 12-bit black and white/24- or 36-bit color scanner
Macintosh II or Quadra.
$14,012 retail
Ektron Applied Imaging, Inc.; 23 Crosby Dr.; Bedford, MA 01730; 617-275-0475, 800-735-8766, ext. 21 or 617-271-1860 (fax)

Ektron Model 1435 Slide Scanner
35mm color slide scanner; 2,800 dpi
Macintosh II or Quadra.
$6,900 retail
Ektron Applied Imaging, Inc.; 23 Crosby Dr.; Bedford, MA 01730; 617-275-0475, 800-735-8766, ext. 21 or 617-271-1860 (fax)

■ **Epson ES-1200C Pro Scanner**
30-bit internal/24-bit external color scanner
Macintosh Plus or larger.
The ES-1200C Pro Scanner is a 30-bit internal and 24-bit external color scanner that includes 600 by 1,200 dpi hardware resolution; interpolated resolution up to 4,800 dpi; single or three-pass scanning; dual SCSI and bidirectional-parallel connections standard; built-in color and gamma correction; and six pages per minute scanning speed. The bundled ES-1200C Pro Scanner includes: ES-1200C Pro, Adobe Photoshop, Kai's Power Tools, ScanTastic plug-in module, ScanTastic desk accessory and a SCSI cable.
under $1,600 retail
Epson America, Inc.; 20770 Madrona Ave.; Torrance, CA 90503; 310-782-0770, 800-289-3776 or 310-782-4248 (fax)

Epson ES-800C-Pro Scanning System
24-bit color scanners
Macintosh Classic or larger; 2 MB of RAM; hard disk drive; System 6.0.4 or later.
$1,499 retail; ES-800C-Pro
Epson America, Inc.; 20770 Madrona Ave.; Torrance, CA 90503; 310-782-0770, 800-289-3776 or 310-782-4248 (fax)

FX-RS307U
300 dpi gray-scale flatbed scanner
Macintosh Plus or larger.
$1,299 retail
$489 retail; Macintosh interface unit
$649 retail; optional 30-sheet feeder
Panasonic Communications & Systems Co.; 2 Panasonic Way; Secaucus, NJ 07094; 201-348-7155 or 201-392-6910 (fax)

FX-RS506U
400 dpi gray-scale flatbed scanner
Macintosh Plus or larger.
$1,299 retail
$489 retail; Macintosh interface unit
$649 retail; optional 30-sheet feeder
Panasonic Communications & Systems Co.; 2 Panasonic Way; Secaucus, NJ 07094; 201-348-7155 or 201-392-6910 (fax)

G6045 And G6035
Wide-format scanners
Macintosh II; 1 MB of RAM; System 6.0.7 or later.
$19,990 retail; G6045
$13,990 retail; G6035
Océ-Bruning; 1800 Bruning Dr. W; Itasca, IL 60143; 708-351-2900 or 708-351-7549 (fax)

GPIB Graphics Interface Kit
GPIB interface board with special software for graphics peripherals and NI-488.2 software
Power Macintosh or NuBus (7-inch board).
$495 retail
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

Horizon Plus
Flatbed CCD color scanner
Macintosh II family; 8 MB of RAM.
$19,995 retail
Agfa Division, Miles Inc., Graphic Systems; 100 Challenger Rd.; Ridgefield Park, NJ 07660; 201-440-2500, 800-685-4271 or 201-440-8187 (fax)

HP ScanJet IIc Scanner
Scanner with color capabilities
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.
$1,599 retail
$695 retail; optional automatic document feeder
Hewlett-Packard Co.; Inquiries; PO Box 58059, MS #511L-SJ; Santa Clara, CA 95051; 800-752-0900

HP ScanJet IIp
Black and white scanner
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.
$879 retail
$395 retail; optional automatic document feeder
Hewlett-Packard Co.; Inquiries; PO Box 58059, MS #511L-SJ; Santa Clara, CA 95051; 800-752-0900

Image Reader For Macintosh
Color scanner
Macintosh Classic or larger; 2 MB of RAM; hard disk drive with 10 MB of free space; 8- or 24-bit video display card; System 6.0 or later.
$999.99 retail
Info Products; 541 Division St.; Campbell, CA 95008; 408-374-7290, 800-775-7576 or 408-378-1068 (fax)

IQ Scan
Desktop scanner
Macintosh SE or larger; 4 MB of RAM.
$799 retail; includes SCSI interface kit and WordScan OCR
Pentax Technologies Corp.; 100 Technology Dr.; Broomfield, CO 80021; 303-460-1600 or 303-460-1628 (fax)

ISC-2010 Color Input Scanner
Color drum scanner
Macintosh II or Quadra family.
$65,000 retail
Screen (USA); 5110 Tollview Dr.; Rolling Meadows, IL 60008; 708-870-7400 or 708-870-0149 (fax)

JX-320 Business Color Scanner
Color scanner
Macintosh II.
$1,895 suggested retail
Sharp Electronics Corp.; Sharp Plaza, Box F; Mahwah, NJ 07430; 201-529-9594

JX-450 Professional Color Scanner
Color scanner
Macintosh II.
$5,995 suggested retail
Sharp Electronics Corp.; Sharp Plaza, Box F; Mahwah, NJ 07430; 201-529-9594

JX-610 Commercial Color Scanner
Desktop color image scanner
Macintosh II.
Call for pricing
Sharp Electronics Corp.; Sharp Plaza, Box F; Mahwah, NJ 07430; 201-529-9594

These Products Available Through Bottom Line Distribution
1-800-347-1923

Kodak Professional RFS 2035 Plus Film Scanner
Desktop scanner for 35mm slides or negatives
Macintosh that supports 32-bit QuickDraw; Adobe Photoshop; System 6.0.5 or later.
$8,995 retail
Eastman Kodak Co.; Professional Imaging; 343 State St.; Rochester, NY 14650; 716-724-4000, 800-242-2424, ext. 77 or 716-724-9261 (fax to attn: Electronic Imaging)

Langelo Color For Macintosh
Color hand scanner
Macintosh SE/30 or II family; 2 MB of RAM; 4-, 8- or 24-bit video card; gray-scale or color monitor.
$599 retail
Mustek, Inc.; 15225 Alton Pkwy.; Irvine, CA 92718; 714-453-0110, 800-468-7835 or 714-453-1010 (fax)

Leaf Lumina
Single-pass, rapid scanning camera
Macintosh IIfx or Quadra; 64 MB of RAM; 24-bit video; large-screen monitor.
$7,500 retail
Leaf Systems; 250 Turnpike Rd.; Southboro, MA 01772; 508-460-8300, 508-460-8304 (fax)800-685-9462 (Scitex America Corp.)

Leafscan
Scanners
Macintosh IIx; 8 MB of RAM; 24-bit color; System 6.0.7 or later.
$8,500 retail; Leafscan 35
$17,000 retail; Leafscan 45
Leaf Systems; 250 Turnpike Rd.; Southboro, MA 01772; 508-460-8300, 508-460-8304 (fax)800-685-9462 (Scitex America Corp.)

LightningScan 400
Hand-held scanner
Macintosh Plus or larger; System 6.0.7 or later.
$399 retail
Thunderware, Inc.; 21 Orinda Way; Orinda, CA 94563; 510-254-6581, 800-628-0693 or 510-254-3047 (fax)

LightningScan Compact
Hand-held scanner
Macintosh Classic, SE or SE/30 with SuperDrive, including Portable (use with Macintosh IIsi, IIci and IIcx requires additional cable); System 6.0.7 or later.
$259 retail
Thunderware, Inc.; 21 Orinda Way; Orinda, CA 94563; 510-254-6581, 800-628-0693 or 510-254-3047 (fax)

LightningScan Portable
Hand-held scanner
Macintosh PowerBook.
$449 retail
Thunderware, Inc.; 21 Orinda Way; Orinda, CA 94563; 510-254-6581, 800-628-0693 or 510-254-3047 (fax)

LightningScan Pro 256
Hand-held scanner
Macintosh Plus or larger; 2 MB of RAM (4 MB of RAM recommended); gray-scale display recommended; System 6.0.7 or later.
$499 retail
Thunderware, Inc.; 21 Orinda Way; Orinda, CA 94563; 510-254-6581, 800-628-0693 or 510-254-3047 (fax)

MFS-6000CS
24-bit color desktop scanners
Macintosh SE/30 or II family; 2 MB of RAM; 4-, 8- or 24-bit video card; gray-scale or color monitor.
$1,295 retail
Mustek, Inc.; 15225 Alton Pkwy.; Irvine, CA 92718; 714-453-0110, 800-468-7835 or 714-453-1010 (fax)

Microtek MS-II
Desktop scanner
Macintosh Plus or larger.
$849 suggested retail
Microtek Lab, Inc.; 3715 Doolittle Dr.; Redondo Beach, CA 90278; 310-297-5000, 800-654-4160 or 310-297-5050 (fax)

Microtek ScanMaker 35t
35mm slide scanner
Macintosh II, Quadra or PowerPC; 8 MB of RAM.
$1,299 suggested retail
Microtek Lab, Inc.; 3715 Doolittle Dr.; Redondo Beach, CA 90278; 310-297-5000, 800-654-4160 or 310-297-5050 (fax)

Microtek ScanMaker 45t
Professional-quality slide and transparency scanner
Macintosh II Quadra or PowerPC; 8 MB of RAM.
Call for pricing
Microtek Lab, Inc.; 3715 Doolittle Dr.; Redondo Beach, CA 90278; 310-297-5000, 800-654-4160 or 310-297-5050 (fax)

Microtek ScanMaker II
Color flatbed scanner
Macintosh II, Quadra or PowerPC; 8 MB of RAM.
Call for pricing
Microtek Lab, Inc.; 3715 Doolittle Dr.; Redondo Beach, CA 90278; 310-297-5000, 800-654-4160 or 310-297-5050 (fax)

Microtek ScanMaker IIG
Gray-scale flatbed scanner
Macintosh Plus or larger.
$649 suggested retail
Microtek Lab, Inc.; 3715 Doolittle Dr.; Redondo Beach, CA 90278; 310-297-5000, 800-654-4160 or 310-297-5050 (fax)

Microtek ScanMaker IISP
Color flatbed scanner
Macintosh II, Quadra, PowerPC or larger; 8 MB of RAM.
Call for pricing
Microtek Lab, Inc.; 3715 Doolittle Dr.; Redondo Beach, CA 90278; 310-297-5000, 800-654-4160 or 310-297-5050 (fax)

Microtek ScanMaker IIXE
Color flatbed scanner
Macintosh Plus or larger.
$1,299 suggested retail
Microtek Lab, Inc.; 3715 Doolittle Dr.; Redondo Beach, CA 90278; 310-297-5000, 800-654-4160 or 310-297-5050 (fax)

Nikon Coolscan
35mm film scanner
Macintosh II or larger.
$2,300 retail; internal version
$2,600 retail; external version
Nikon Electronic Imaging; 1300 Walt Whitman Rd.; Melville, NY 11747; 516-547-4355 or 516-547-0305 (fax)

Nikon LS-3510AF
High-resolution, desktop 35mm film scanner; 8-bit or 12-bit; GPIB or SCSI
Macintosh Plus or larger.
$8,214 retail; 8-bit
$9,995 retail; 12-bit
Nikon Electronic Imaging; 1300 Walt Whitman Rd.; Melville, NY 11747; 516-547-4355 or 516-547-0305 (fax)

Nikon NT-3000
Color direct telephoto transmitter
Macintosh II family.
Call for pricing
Nikon Electronic Imaging; 1300 Walt Whitman Rd.; Melville, NY 11747; 516-547-4355 or 516-547-0305 (fax)

OmniMedia 12c
Color scanner
Macintosh SE or larger; 2 MB of RAM.
$1,695 retail; Photoshop LE bundle
$1,995 retail; Photoshop full version bundle
XRS; 4030 Spencer St., Ste. 101; Torrance, CA 90503; 310-214-1900 or 310-214-1474 (fax)

OmniMedia 12cx
X-ray scanner
Macintosh SE or larger; 2 MB of RAM.
$4,000 retail
XRS; 4030 Spencer St., Ste. 101; Torrance, CA 90503; 310-214-1900 or 310-214-1474 (fax)

OmniScan
400 dpi hand-held scanner
Macintosh Classic or larger; 4 MB of RAM; hard disk drive.
$595 retail
Caere Corp.; 100 Cooper Ct.; Los Gatos, CA 95030; 408-395-7000, 800-535-7226 or 408-354-2743 (fax)

Optix Greensheet Interface Board (GIB)
Interface between Macintosh and Greensheet input and output devices
Macintosh II.
$1,995 U.S. retail
Blueridge Technologies, Inc.; PO Box 430; Flint Hill Sq.; Flint Hill, VA 22627; 703-675-3015 or 703-675-3130 (fax)

Optix Scanner Interface Board (OSI)
Interfaces Macintosh to Fujitsu scanners
Macintosh II.
$2,495 U.S. retail
$1,095 U.S. retail; if purchased with scanner
Blueridge Technologies, Inc.; PO Box 430; Flint Hill Sq.; Flint Hill, VA 22627; 703-675-3015 or 703-675-3130 (fax)

Personal Color Scanner
Flatbed color scanner
Macintosh II family or larger; 4 MB of RAM (8 MB recommended); 8- or 24-bit color monitor; System 6.0.5 or later.
$1,295 retail; includes parallel card, GPIB cable, interface board and Adobe Photoshop LE
Howtek, Inc.; 21 Park Ave.; Hudson, NH 03051; 603-882-5200 or 603-880-3843 (fax)

■ Photographics 8K Solution
Photo lab scanner
Macintosh with 68020 processor or larger; Ethernet; QuarkXPress; color monitor.
Photographics 8K is designed for the photo lab that needs to image process, retouch, color adjust, crop and compose high-resolution photos (up to 150 MB) to a single pixel. Users can combine with complete freehand drawings, line art, text, graphics and tints. The Photographics 8K's features are the scanning of transparencies (negative or positive), reflectives or line art with 3,200 ppi color flatbed scanner; colorkey masking with a proprietary software that reads specified HLS levels to allow users to colorkey mask to a finely detailed area; unsharp masking, which allows users to sharpen their images with an unlimited selection of kernel sizes; retouching that is accomplished with the use of a professional-level paint package; layout; compose, the final step before outputting the image; and output, from the output device selected, film type, camera module and resolution.
$59,900 retail
Imapro Corp.; 2400 St. Laurent Blvd.; Ottawa, Ontario, Canada K1G 5A4; 613-738-3000 or 613-738-5038 (fax)

Polaroid CS-500
Digital photo scanner
Macintosh II.
$3,995 retail
Polaroid Corp., Electronic Imaging Systems; 565 Technology Sq.; Cambridge, MA 02139; 800-225-1618 or 617-577-3074 (fax)

Pro Imager 4520 RS
Color transparency scanning system
Macintosh II or Quadra family; 5 MB of RAM; floating point processor; System 6.0.5 or later.
$16,995 retail
PixelCraft, A Xerox Co.; 130 Doolittle Dr., #19; San Leandro, CA 94577; 510-562-2480, 800-933-0330 or 510-562-6451 (fax)

Pro Imager 7650C
Color and gray-scale reflective scanning system
Macintosh II or Quadra family; 5 MB of RAM; floating point processor; System 6.0.5 or later.
$11,495 retail

PixelCraft, A Xerox Co.; 130 Doolittle Dr., #19; San Leandro, CA 94577; 510-562-2480, 800-933-0330 or 510-562-6451 (fax)

■ **QCS-3200 Scanner**
Scanner
Macintosh II or larger; color monitor recommended.
With the QCS-3200, reflective or transparent images can be scanned at various resolutions up to 3,200 ppi. Negative scanning is easier and produces better results because the QCS-3200 is designed to handle higher base densities. The QCS-3200 features a 12-bit LUT to produce more accurate, superb quality scans, a better-quality CCD that produces one-pass scans with bright, accurate colors. The unique optical feedback feature, combined with 12-bit dark correction, ensures consistent color fidelity on each scan. Using the base density control feature, users can manually specify base density for each separate color, or use the balance feature to set the density value automatically.
$24,900 retail
Imapro Corp.; 2400 St. Laurent Blvd.; Ottawa, Ontario, Canada K1G 5A4; 613-738-3000 or 613-738-5038 (fax)

Rayven RSU 1, RSU 2, RSU 3
Radiographic scanners
Macintosh II family; 4 MB of RAM.
$8,000 to $20,000 retail
XRS; 4030 Spencer St., Ste. 101; Torrance, CA 90503; 310-214-1900 or 310-214-1474 (fax)

Relisys VM4520, VM3510 And VM3410 Scanners
Color and gray-scale flatbed scanners
Macintosh SE/30, II or Quadra.
$1,195 retail; VM3410 (gray scale)
$1,795 retail; VM3510 (color)
$1,995 retail; VM4520 (color)
Relisys; 320 S. Milpitas Blvd.; Milpitas, CA 95035; 408-945-9000 or 408-945-0587 (fax)

Ricoh FS2
30-bit flatbed color image scanner
Macintosh II or larger.
Call for pricing
Ricoh Corp.; Peripheral Products Div.; 3001 Orchard Pkwy.; San Jose, CA 95134; 408-944-3318 or 408-432-9266 (fax)

Ricoh IS410
Gray-scale scanner
Macintosh Plus or larger.
$6,000 retail
Ricoh Corp.; Peripheral Products Div.; 3001 Orchard Pkwy.; San Jose, CA 95134; 408-944-3318 or 408-432-9266 (fax)

Ricoh IS50 And IS60
Gray-scale scanners
Macintosh Plus or larger.
$1,550 each retail
Ricoh Corp.; Peripheral Products Div.; 3001 Orchard Pkwy.; San Jose, CA 95134; 408-944-3318 or 408-432-9266 (fax)

Scan-X Color
Flatbed scanner
Macintosh Plus or larger.
$1,495 retail
HSD Microcomputer U.S., Inc.; 1350 Pear Ave., Ste. C; Mountain View, CA 94043; 415-964-1400, 800-828-5522 or 415-964-1538 (fax)

Scan-X Professional
Desktop flatbed scanner
Macintosh Plus or larger.
$1,295 retail
HSD Microcomputer U.S., Inc.; 1350 Pear Ave., Ste. C; Mountain View, CA 94043; 415-964-1400, 800-828-5522 or 415-964-1538 (fax)

■ **ScanFlow Mounter**
Electronic mounting table
Macintosh Plus or larger; SCSI cable; ColorQuartet 3.0; ColorQuartet ScanFlow Server; ScanFlow client modules.
ScanFlow Mounter is an electronic mounting table that maximizes the use of a ScanMate 5000 removable drum scanner by allowing preview scans to be done right on the mounting table. In only 20 seconds, users have full-drum color preview. Preview scans are done in 12-bit color at 200 dpi resolution, with a CCD sensor. Equipped with a bar-code reader, the ScanFlow Mounter identifies each drum by its bar code and supplies the information to ColorQuartet. Crops and scanning parameters are stored by drum ID. When the drum is loaded on the scanner, ColorQuartet retrieves this information and scanning is carried out automatically.
$6,000 retail
ScanView, Inc.; 330 Hatch Dr., Ste. A; Foster City, CA 94404; 415-378-6360 or 415-378-6368 (fax)

ScanMaker IIHR
24-bit, high-resolution color flatbed scanner
Macintosh II, Quadra or PowerPC; 8 MB of RAM.
$1,499 suggested retail
Microtek Lab, Inc.; 3715 Doolittle Dr.; Redondo Beach, CA 90278; 310-297-5000, 800-654-4160 or 310-297-5050 (fax)

ScanMaker III
36-bit high-resolution color flatbed scanner
Macintosh II, Quadra or PowerPC; 8 MB of RAM.
$3,499 suggested retail
Microtek Lab, Inc.; 3715 Doolittle Dr.; Redondo Beach, CA 90278; 310-297-5000, 800-654-4160 or 310-297-5050 (fax)

ScanMan Model 32
Hand-held scanner
Macintosh Plus or larger.
$499 retail; ScanMan
$599 retail; ScanMan and Digital Darkroom
Logitech, Inc.; 6505 Kaiser Dr.; Fremont, CA 94555; 510-795-8500 or 510-792-8901 (fax)

Scanmaster 3+
Flatbed color scanner
Macintosh II family or larger; 4 MB of RAM (8 MB recommended); 8- or 24-bit color monitor; System 6.0.5 or later.
$8,995 retail; includes interface, cable, Photoshop and transparency option
Howtek, Inc.; 21 Park Ave.; Hudson, NH 03051; 603-882-5200 or 603-880-3843 (fax)

Scanmaster D4000
Drum scanner
Macintosh II family or larger; 4 MB of RAM (8 MB recommended); 8- or 24-bit color monitor; System 6.0.5 or later.
$39,700 retail
Howtek, Inc.; 21 Park Ave.; Hudson, NH 03051; 603-882-5200 or 603-880-3843 (fax)

■ **ScanMate 5000**
Desktop drum scanner
Macintosh II or larger; 8 MB of RAM (20 MB preferred); 120 MB hard disk drive; System 7.0 or later; 16-bit display; 13-inch monitor.
The ScanMate 5000 is a professional-level desktop drum scanner that offers users an unsurpassed set of features for high quality and productivity. The ScanMate 5000 is a 5,000 dpi scanner with three photo-multipliers, and is capable of performing scans with an optical density of up to 4.0 and 12-bit capture. High productivity is achieved through single-pass scanning, true batch scanning, removable drums and a drum speed of up to 1,600 rpm. The ScanFlow System is a productivity option for the scanner, consisting of an electronic offline preview station and special client-server software to manage scanner operation for maximum productivity.
$45,000 retail
ScanView, Inc.; 330 Hatch Dr., Ste. A; Foster City, CA 94404; 415-378-6360 or 415-378-6368 (fax)

ScanMate 5000
Desktop scanner
Macintosh II or larger; 8 MB of RAM; Photoshop.
$45,000 retail
$1,685 retail; Color Quartet (closed loop color calibration/separation software)
Desktop Training Professionals; 6 Bedford Farms; Bedford, NH 03110; 603-626-5551 or 603-669-7456 (fax)

■ **ScanMate Magic**
Desktop drum scanner
Macintosh II or larger; FPU; 32 MB of free RAM; System 7.0 or later; 120 MB hard disk drive; 16-bit display card; 13-inch monitor.
The ScanMate Magic is an entry-level desktop drum scanner with scanning resolutions of up to 2,000 dpi across the drum and maximum density of 3.0. The ScanMate Magic produces high-quality, 12-bit per channel scans. It is capable of scanning transparencies and reflectives in positive or negative, color, gray scale or line art.
$13,000
ScanView, Inc.; 330 Hatch Dr., Ste. A; Foster City, CA 94404; 415-378-6360 or 415-378-6368 (fax)

ScanMate Plus
Desktop scanner
Macintosh II or larger; 8 MB of RAM; Photoshop.
$24,000 retail
$1,685 retail; Color Quartet (closed loop color calibration/separation software)
Desktop Training Professionals; 6 Bedford Farms; Bedford, NH 03110; 603-626-5551 or 603-669-7456 (fax)

■ **ScanMate Plus II**
Desktop drum scanner
Macintosh II or larger; 32 MB of free RAM; System 7.0 or later; 120 MB hard disk drive; 16-bit display card; 13-inch display CRT.
The ScanMate Plus II desktop drum scanner produces excellent-quality scans with its PMT technology. Accurate color representation and deep shadow details are seen on the ScanMate Plus II's crisp scanned images. The ScanMate Plus II can batch-scan with individual scanning parameters for each crop. It scans at up to 2,600 dpi with a maximum density of 3.6.
$19,500 retail
ScanView, Inc.; 330 Hatch Dr., Ste. A; Foster City, CA 94404; 415-378-6360 or 415-378-6368 (fax)

■ **ScanTouch**
30-bit color flatbed scanner
Macintosh II or larger; 8 MB of RAM; 300 MB hard disk drive; System 7.0 or later; 24-bit monitor recommended.
ScanTouch is a 30-bit color flatbed scanner designed for graphics applications and general office use. It can scan color or black and white materials, up to 8 1/2 by 14 inches, including line art, with exceptional speed, image quality, sharpness and color fidelity. ScanTouch features variable optical resolution up to 565 by 1,200 dpi. Utilizing Nikon's renowned optics, ScanTouch excels at scanning transparencies or negative film up to 4 by 5 inches — without streaking. OCR results will be improved through ScanTouch's superior resolution and edge definition. ScanTouch performs a fast 15-second color preview and a 30 MB scan in approximately one minute, all in a rugged, highly reliable three-pass design. ScanTouch features a standard SCSI II interface and includes Nikon's highly intuitive scanning software, bundled graphics and OCR software. An Apple ColorSync device profile is provided to ensure easy color calibration.
$1,535 retail
$500 retail; optional transparency adapter
Nikon Electronic Imaging; 1300 Walt Whitman Rd.; Melville, NY 11747; 516-547-4355 or 516-547-0305 (fax)

Silverscanner
300 dpi color scanner
Macintosh Plus or larger.
$999 to $1,599 retail; with Color It! and Read-It O.C.R. Pro
$1,349 to $1,999 retail; with Photoshop and Read-It O.C.R. Pro
$1,449 to $2,099 retail; with Photoshop, ColorStudio and Read-It O.C.R. Pro
La Cie, Ltd.; 8700 SW Creekside Pl.; Beaverton, OR 97005; 503-520-9000, 800-999-0143 or 503-520-9100 (fax)

Smart 340
Large-format, tabletop CCD scanner
Macintosh IIfx or larger; 8 MB of RAM; 150 MB hard disk drive.
$45,000 retail

These Products Available Through Bottom Line Distribution
1-800-347-1923

Scitex America Corp.; 8 Oak Park Dr.; Bedford, MA 01730; 617-275-5150 or 617-275-3430 (fax)

■ Smart Plus PS
CCD scanner
Macintosh IIfx or larger; 8 MB of RAM; 600 MB of free hard disk space; 24-bit color monitor; 12-inch NuBus slots.
The Smart Plus PS is a single-seat, Macintosh-based CCD scanner for high-quality scanning of original transparencies or reflective art, ranging in size from 35mm up to 8 by 10 inches. This color-correction and transformation production scanning tool provides automated or interactive functionality, and introduces several advanced features for accelerating throughput, including: automatic highlight, mid-tone and shadow analysis; unsharp masking; local and global color correction; exacting scaling and rotation tools; multiscan, multicrop with independent color control; moiré-free rescreening of printed materials; and high-resolution preview of image sharpness and color quality prior to scanning.
$70,000 retail
Scitex America Corp.; 8 Oak Park Dr.; Bedford, MA 01730; 617-275-5150 or 617-275-3430 (fax)

Spark Spectrum Color Scanners
24-bit color scanners
Macintosh II family.
$2,995 retail
Spark Int'l. Inc.; PO Box 314; Glenview, IL 60025; 708-998-6640 or 708-998-8840 (fax)

Spark Spectrum Scan III
One-pass 24 dpi color scanner
Macintosh II family.
$4,995 retail
Spark Int'l. Inc.; PO Box 314; Glenview, IL 60025; 708-998-6640 or 708-998-8840 (fax)

StudioScan
Flatbed CCD color scanner
Macintosh II or larger; 8 MB of RAM.
$1,100 estimated street price
$500 estimated street price; transparency option
Agfa Division, Miles Inc., Graphic Systems; 100 Challenger Rd.; Ridgefield Park, NJ 07660; 201-440-2500, 800-685-4271 or 201-440-8187 (fax)

ThunderScan Plus
Digitizing scanner
Macintosh Plus or larger; System 6.0.7 or later.
$199 retail
Thunderware, Inc.; 21 Orinda Way; Orinda, CA 94563; 510-254-6581, 800-628-0693 or 510-254-3047 (fax)

TruScan 3D Grayscale Scanner
Three-dimensional gray-scale scanner with Zebra Board; upgradable to 24-bit color
Macintosh II; 5 MB of RAM; 80 MB hard disk drive; 11- or 13-inch Macintosh RGB monitor.
$6,295 retail
Vidar Systems Corp.; 460 Spring Park Pl.; Herndon, VA 22070; 703-471-7070 or 703-471-1165 (fax)

TruScan T-XF And T-XV
X-ray film scanners
Macintosh II; 5 MB of RAM; 80 MB hard disk drive; 256-level gray-scale monitor.
$11,995 retail; T-XF
$11,995 retail; T-XV
Vidar Systems Corp.; 460 Spring Park Pl.; Herndon, VA 22070; 703-471-7070 or 703-471-1165 (fax)

Truvel Zebra Board
Line-art enhancement board
Macintosh II; Truvel scanner.
$1,795 retail
Vidar Systems Corp.; 460 Spring Park Pl.; Herndon, VA 22070; 703-471-7070 or 703-471-1165 (fax)

UC1260
Color scanner
Macintosh Plus or larger.
$1,395 retail
$595 retail; UTA transparency adapter (UTA-1E)
UMAX Technologies, Inc.; 3353 Gateway Blvd.; Fremont, CA 94538; 510-651-8883, 800-562-0311 or 510-651-8834 (fax)

UC630 LE
24-bit color scanner
Macintosh Plus or larger.
$745 retail
$595 retail; UTA Transparency Adapter
$495 retail; ADF Auto Document Feeder
UMAX Technologies, Inc.; 3353 Gateway Blvd.; Fremont, CA 94538; 510-651-8883, 800-562-0311 or 510-651-8834 (fax)

UC840
24-bit color scanner
Macintosh Plus or larger.
$995 retail
$595 retail; UTA Transparency Adapter (UTA-840)
$495 retail; ADF Auto Document Feeder
UMAX Technologies, Inc.; 3353 Gateway Blvd.; Fremont, CA 94538; 510-651-8883, 800-562-0311 or 510-651-8834 (fax)

■ UMAX PowerLook
30-bit flatbed scanner
Macintosh Plus or larger.
The UMAX PowerLook is a flatbed scanner with true 3.0 dynamic range for brilliant, true color. Its 30-bit scanning mode recognizes more than 1 billion colors and 1,024 shades of gray, and 256 separate steps each of highlight and shadow adjustment deliver perfect definition. The PowerLook's color Charged Coupled Device (CCD) captures 30-bit color in just one pass, without prisms, filters or color lamps. The PowerLook generates sharp, clear images at 1,200 dpi. Through its unique UltraView technology, it can achieve resolutions up to 2,400 dpi. The PowerLook's single-pass scanning capability delivers 600 dpi, letter-sized, full-color images in as little as one minute.
$3,495 retail
UMAX Technologies, Inc.; 3353 Gateway Blvd.; Fremont, CA 94538; 510-651-8883, 800-562-0311 or 510-651-8834 (fax)

VXR-12
X-ray film digitizer
Macintosh II or larger; 8 MB of RAM; 80 MB hard disk drive; 256 gray-scale monitor; System 6.0 or later.
$15,995 list
Vidar Systems Corp.; 460 Spring Park Pl.; Herndon, VA 22070; 703-471-7070 or 703-471-1165 (fax)

■ WinPhoto Workstation
Scanner to produce high-resolution films
Macintosh with 68020 processor; 1.3 GB hard disk drive; CD-ROM; color monitor.
The WinPhoto Workstation gives users the tools to professionally scan in images and output superior-quality 35mm, 6 by 8cm, 4 by 5-inch and 8 by 10-inch photographic films. Users can add the software of their choice to retouch images and produce graphics. Text and linework from PostScript-compatible programs, Apple or DOS-based, can be combined with images using the PostScript interpreter. Using the batch software included with the PostScript interpreter, users can queue their work at the end of the day and shoot their images to the film recorder overnight.
$12,000 retail
Imapro Corp.; 2400 St. Laurent Blvd.; Ottawa, Ontario, Canada K1G 5A4; 613-738-3000 or 613-738-5038 (fax)

■ WinServer II
Scanner
Any Macintosh with 68020 processor; EtherTalk II.
The WinServer II gives users the tools to professionally scan in images and output superior-quality 35mm, 6 by 8cm, 4 by 5-inch and 8 by 10-inch photographic films. Users can add the workstation of their choice to retouch images and produce graphics while the WinServer controls batch scanning or film recording. Files that include text or line art from PostScript-compatible programs combined with images, whether Macintosh or PC based, can be output using the PostScript interpreter. The WinServer continues to work while users retouch or create on their separate imaging system.
$9,990 retail
Imapro Corp.; 2400 St. Laurent Blvd.; Ottawa, Ontario, Canada K1G 5A4; 613-738-3000 or 613-738-5038 (fax)

XRS 12c/cx Retrofit
Transparency upgrade for Microtek ScanMaker II
Macintosh II family; 1 MB of RAM.
$599 retail; 12c
$1,195 retail; 12cx
XRS; 4030 Spencer St., Ste. 101; Torrance, CA 90503; 310-214-1900 or 310-214-1474 (fax)

XRS 3c/3cx OmniMedia Retrofit
Transparency upgrade for Microtek 300Z/ZS
Macintosh II family; 2 MB of RAM.
$599 retail; 3c
$995 retail; 3cx
XRS; 4030 Spencer St., Ste. 101; Torrance, CA 90503; 310-214-1900 or 310-214-1474 (fax)

XRS 6c/6cx OmniMedia Retrofit
Transparency upgrade for Microtek 600Z/ZS
Macintosh II family; 2 MB of RAM.
$699 retail; 6c
$1,195 retail; 6cx
XRS; 4030 Spencer St., Ste. 101; Torrance, CA 90503; 310-214-1900 or 310-214-1474 (fax)

XRS Dx Scanner
Dental scanner
Macintosh SE or larger.
Call for pricing
XRS; 4030 Spencer St., Ste. 101; Torrance, CA 90503; 310-214-1900 or 310-214-1474 (fax)

Hardware & Peripherals/ SCSI Adapters

Amphenol SCSI Terminators And Cable Assemblies
Provide internal and external interconnections between host computers and various types of peripheral devices
Any Macintosh.
Call for pricing; OEMs, VARs, distributors and end users
Amphenol Interconnect Products; 20 Valley St.; Endicott, NY 13760; 607-754-4444 or 607-786-4311 (fax)

Crosfield MagnaLink 600 From Du Pont
SCSI adapter
Macintosh IIfx or Quadra.
$40,000 retail
Du Pont Printing & Publishing; Barley Mill Plaza, 18-1130; PO Box 80018; Wilmington, DE 19880; 800-538-7668

Lapis SCSI Dock For PowerBook Duos
Portable docking unit
Macintosh PowerBook Duo 210 or 230.
$199 retail
Lapis Technologies, Inc.; 1100 Marina Village Pkwy., Ste. 100; Alameda, CA 94501; 510-748-1600, 800-435-2747 or 510-748-1645 (fax)

Nu32 SCSI Enabler
NuBus SCSI accelerator
Macintosh II or Quadra.
$795 retail
Procom Technology, Inc.; 2181 Dupont Dr.; Irvine, CA 92715; 714-852-1000, 800-800-8600 or 714-852-1221 (fax)

PLI QuickSCSI
SCSI-2 NuBus host adapter with disk mirroring
Macintosh LC, II, IIx, IIcx, IIci, IIsi, IIfx or NuBus.
$502 retail
Peripheral Land, Inc.; 47421 Bayside Pkwy.; Fremont, CA 94538; 510-657-2211, 800-288-8754 or 510-683-9713 (fax)

SCSI JackHammer
SCSI-2 coprocessor
Macintosh II or Quadra.
$999 retail
$799 retail; with FWB hard drive
FWB, Inc.; 2040 Polk St., Ste. 215; San Francisco, CA 94109; 415-474-8055 or 415-775-2125 (fax)

SCSI MicroDock
Allows the easy attachment of ADB devices and a variety of SCSI devices
Macintosh PowerBook Duo.
$175 retail
Newer Technology; 7803 E. Osie, Ste. 105; Wichita, KS 67207; 316-685-4904, 800-678-3726 or 316-685-9368 (fax)

■ **SCSIVue Active Diagnostic Terminator**
Diagnostic terminator
Any Macintosh.
The SCSIVue Diagnostic Terminator with Active Regulation is a terminator and a SCSI Bus Diagnostic Analyzer. With the built-in active regulator, this terminator instantly adjusts to any system requirements. SCSIVue helps users detect problems before they cause damage to data. The status indicators allow users to quickly diagnose how things are working. SCSIVue status indicators allow users to monitor the acknowledge, request and select signals. These signals are the heart of the SCSI Bus and indicate good, bad or impaired performance. The TRM (Termination Power) indicator lets users know if termination power is being provided properly to the SCSI Bus.
$59 retail
Granite Digital; 3101 Whipple Rd.; Union City, CA 94587; 510-471-6442 or 510-471-6267 (fax)

■ **SCSIVue Gold-Diagnostic Cable**
SCSI cables with diagnostic indicator
Any Macintosh.
The SCSIVue Gold-Diagnostic SCSI Cable offers the highest data transfer potential for any SCSI Bus while eliminating errors. The extra shielding, gold contacts, gold connectors and heavy-duty wire protect data. The SCSIVue Gold-Diagnostic SCSI Cable has a unique design that insulates the acknowledge, request and select lines from the other data and ground signals. The extra protection continues with the other two layers of shielding. Data is more secure and signal noise is reduced significantly. The connectors are of high-quality gold plating and incorporate a unique molded strain relief. With the Diagnostic Indicator, users can monitor the quality of the connections. This LED indicator shows that the cable is making good contact and the TRM (Terminal Power) is being supplied to the SCSI Bus. The cables have a lifetime warranty.
$49 to $169 retail
Granite Digital; 3101 Whipple Rd.; Union City, CA 94587; 510-471-6442 or 510-471-6267 (fax)

SG-SCSI IN
Interface that links Screen's color input scanners to the Macintosh
Macintosh II or Quadra family.
$15,000 retail
Screen (USA); 5110 Tollview Dr.; Rolling Meadows, IL 60008; 708-870-7400 or 708-870-0149 (fax)

Hardware & Peripherals/ Security

ACM/100, ACM/400 And ACM/1600
Access control modules
Asynchronous connection to an AppleTalk Remote Access server.
$650 retail; ACM/100
$3,800 retail; ACM/400
$12,520 retail; ACM/1600
Security Dynamics, Inc.; One Alewife Center; Cambridge, MA 02140; 617-547-7820 or 617-354-8836 (fax)

Anti-Theft Devices
Anti-theft and security devices
Any Macintosh.
$29.95 to $159 retail
Segull Security Systems, Inc.; 4501 Van Nuys Blvd., Ste. 109; Sherman Oaks, CA 91411; 818-781-6560 or 818-997-1371 (fax)

Apple Security System
Security kit
$49.95 retail; additional keyboard loops are available
Kensington Microware, Ltd.; 2855 Campus Dr.; San Mateo, CA 94403; 415-572-2700, 800-535-4242 or 415-572-9675 (fax)

Cable-Trap
Locks input device cables to computer or work surface
Any Macintosh.
$24.95 retail
Qualtec Data Products, Inc.; 47767 Warm Springs Blvd.; Fremont, CA 94539; 510-490-8911, 800-628-4413 or 510-490-8471 (fax)

Care-Free Security Kits
Hardware security system
Any Macintosh.
$7.95 to $29.95 retail
Byte Brothers; 3602 Lake Washington Blvd. N; Renton, WA 98056; 206-271-9567 or 206-227-9702 (fax)

Cav-Mac Kit
External lock-down security device that prevents theft of Macintoshes, with no damage (or bolting) to desktop surface or equipment
Macintosh Plus or larger.
$76 retail; Plus, Classic, SE
$139 each retail; LC, IIsi or IIcx/ci
$161 retail; II
FMJ Security Systems; 741 E. 223rd St.; Carson, CA 90745; 310-549-3221, 800-322-3365 or 310-549-2921 (fax)

Comp U Lock Mac Dual Lock System
Security locking system
Macintosh Plus or larger.
$99.95 to $104.95 retail
Versa Lock, Inc.; 19215 Parthenia St., Ste. E; Northridge, CA 91324; 818-886-8962, 800-248-5625 or 818-886-1940 (fax)

Comp U Lock Mac Single Lock System
Secures Macintosh equipment to the table top by means of double adhesive mastic plates and connecting lock
$54.95 retail
Versa Lock, Inc.; 19215 Parthenia St., Ste. E; Northridge, CA 91324; 818-886-8962, 800-248-5625 or 818-886-1940 (fax)

Curtis Apple Security Kit
Protects systems against theft
Macintosh Plus or larger.
$29.95 retail
Curtis Manufacturing Co., Inc.; 30 Fitzgerald Dr.; Jaffrey, NH 03452; 603-532-4123, 800-955-5544 or 603-532-4116 (fax)

Disk Drive Lock
Blocks the diskette drive slot so that no diskette can be inserted
Macintosh SE or II.
$24.95 retail
Secure-It, Inc.; 18 Maple Ct.; East Longmeadow, MA 01028; 413-525-7039 or 800-451-7592

ELF Armor
Reduces ELF magnetic emissions
Any monitor.
$89.95 retail
Get Safe! Inc.; 3007 W. Grimes; PO Box 139; Fairfield, IA 52556; 515-472-5551 or 515-472-4359 (fax)

Extra-Strength Macintosh Security Kit
5/16-inch vinyl clad steel cable
$14.95 to $34.95 retail
Byte Brothers; 3602 Lake Washington Blvd. N; Renton, WA 98056; 206-271-9567 or 206-227-9702 (fax)

File-Lok I
Locks the floppy disk drive
Any Macintosh.
$29.95 retail
Qualtec Data Products, Inc.; 47767 Warm Springs Blvd.; Fremont, CA 94539; 510-490-8911, 800-628-4413 or 510-490-8471 (fax)

File-Lok II
Locks the floppy disk drive of PowerBooks, Duos and desktop computers
Any Macintosh.
$19.95 retail
Qualtec Data Products, Inc.; 47767 Warm Springs Blvd.; Fremont, CA 94539; 510-490-8911, 800-628-4413 or 510-490-8471 (fax)

Hold-It
Anti-theft devices
Any Macintosh.
$15 and up retail
Aztec Security Products; 21438 N. 7th Ave., Ste. A; Phoenix, AZ 85027; 602-492-9142 or 800-333-4002

Kensington MicroSaver
Security system
Macintosh PowerBook, Duo Dock, Quadra 610/660AV or 800/840AV; Power Macintosh 6100,7100 or 8100.
$59.95 retail
Kensington Microware, Ltd.; 2855 Campus Dr.; San Mateo, CA 94403; 415-572-2700, 800-535-4242 or 415-572-9675 (fax)

LightGard
Tamper-proof, fiber-optic computer and accessory security device for 24-hour protection
Any Macintosh.
Call for pricing; varies depending on configuration
Minatronics Corp.; 8147 Post Rd.; Allison Park, PA 15101; 412-367-5050, 800-344-5952 or 412-367-0620 (fax)

Lok-Kit II
Theft deterrent system
Any Macintosh.
$29.95 retail
Qualtec Data Products, Inc.; 47767 Warm Springs Blvd.; Fremont, CA 94539; 510-490-8911, 800-628-4413 or 510-490-8471 (fax)

Mac Guardian Anti-Theft Kit
Secures monitor, system unit, keyboard and peripherals from theft
Any Macintosh.
$36.95 retail
PC Guardian; 1133 E. Francisco Blvd., Ste. D; San Rafael, CA 94901; 415-459-0190, 800-288-8126 or 415-459-1162 (fax)

Mac II FSS
Prevents theft of Macintosh computers
Macintosh II.
$247 retail
FMJ Security Systems; 741 E. 223rd St.; Carson, CA 90745; 310-549-3221, 800-322-3365 or 310-549-2921 (fax)

Mac II Internal/External Lock
Security holder for Macintosh II, IIcx, IIci and IIfx processor
Macintosh II family.
$89.95 retail
Byte Brothers; 3602 Lake Washington Blvd. N; Renton, WA 98056; 206-271-9567 or 206-227-9702 (fax)

Mac Keyboard Lock
Electronic locking hardware to control access to a Macintosh II/IIcx/IIsi/LC keyboard
Macintosh II, LC, Quadra 700 or Centris 650.
$99.95 retail
PC Guardian; 1133 E. Francisco Blvd., Ste. D; San Rafael, CA 94901; 415-459-0190, 800-288-8126 or 415-459-1162 (fax)

Mac Products
Security kits; cables
Any Macintosh.
$39.95; Mac Lock II (secures all Mac II, Quadra, Centris, Performa, monitor, keyboard, peripherals)
$29.95; PowerBook, LaserWriter/ImageWriter II/ Scanner security kits
$59.95; Power Lock (prevents unauthorized power up and access for any Mac, PC, printer or other device)
$20 to $50; Mac Cables (custom cables of all types: KBD, monitor, peripherals)

These Products Available Through Bottom Line Distribution
1-800-347-1923

Mac Products; 20231 San Gabriel Valley Dr.; Walnut, CA 91789; 714-595-4838

Mac PS3
Pad and cable system
Any Macintosh.
$29.95 retail
Versa Lock, Inc.; 19215 Parthenia St., Ste. E; Northridge, CA 91324; 818-886-8962, 800-248-5625 or 818-886-1940 (fax)

Mac-Kit Universal
Security kit
Any Macintosh.
$39.95 retail
Qualtec Data Products, Inc.; 47767 Warm Springs Blvd.; Fremont, CA 94539; 510-490-8911, 800-628-4413 or 510-490-8471 (fax)

MacKablit
Security device
$39.95 retail; specify Mac, Mac Plus, Mac SE, Mac II
Secure-It, Inc.; 18 Maple Ct.; East Longmeadow, MA 01028; 413-525-7039 or 800-451-7592

MacShackle PowerBook Lock
Hardware security device
Macintosh PowerBook 140 through 180.
$44.95 retail
Jeff Lastofka; PO Box 1031; Agoura Hills, CA 91376; 818-597-1518 (phone/fax)

Mactivator UniKey
Programmable anti-piracy devices
Macintosh Plus or larger.
$37 retail; Mactivator UniKey (100 quantity)
$40 retail; Mactivator UniKey-M with 128 bytes (100 quantity)
Software Security, Inc.; 6 Thorndal Cir.; Darien, CT 06820; 203-656-3000, 800-841-1316 or 203-656-3932 (fax)

■ **MultiTraq EP**
Integrated security and port switching
Telephone line PSTN; local area network.
MultiTraq EP is a digital multiple-line security and access control system with several levels of security and network access management. With a choice of access and authentication controls, the special needs of individual users can be met without compromising security requirements. MultiTraq's scripting features, combined with the any-port-to-any-port switching capabilities, make it a modular system for safeguarding access to and from a wide variety of communications networks and resources. MultiTraq EP features include: hierarchy of system administrators with various levels of access; user passwords known only by the users; password aging that forces users to change password at a specified time; and a detailed audit trail and various reports of all access attempts and authorized usage.
$5,900 retail
LeeMah DataCom Security Corp.; 3948 Trust Way; Hayward, CA 94545; 510-786-0790, 800-992-0020 or 510-786-1123 (fax)

MycroLock
Security device to protect Mac software developers' application software from piracy
Macintosh SE or larger.
$60 retail; single unit cost
Freedom System Integrators Inc.; 405 S. Holland; Wichita, KS 67209; 316-722-8100 or 316-722-8708 (fax)

Notebook-Kit
Secures the PowerBook and all other notebook computers to a work area
Macintosh PowerBook or notebook computer.
$34.95 retail
Qualtec Data Products, Inc.; 47767 Warm Springs Blvd.; Fremont, CA 94539; 510-490-8911, 800-628-4413 or 510-490-8471 (fax)

Power Lock; Floppy Drive Lock
Prevents unauthorized power up and access
Any Macintosh.
$59.95; Power Lock
$29.95 retail; Floppy Drive Lock
Mac Products; 20231 San Gabriel Valley Dr.; Walnut, CA 91789; 714-595-4838

PowerBook Security Kit
PowerBook security kit
Macintosh PowerBook.
$29.95 retail
Byte Brothers; 3602 Lake Washington Blvd. N; Renton, WA 98056; 206-271-9567 or 206-227-9702 (fax)

PowerBook-Kit
Secures the PowerBook to a work area and converts to a carrying handle
Macintosh PowerBook 140, 145, 160, 165, 170, 175 or 180.
$89.95 retail
Qualtec Data Products, Inc.; 47767 Warm Springs Blvd.; Fremont, CA 94539; 510-490-8911, 800-628-4413 or 510-490-8471 (fax)

PowerLock Plus
Physical locking device
Macintosh PowerBook.
$49.99 retail
CMG Computer Products; PO Box 160310; Austin, TX 78716; 512-329-8220, 800-880-9980 or 512-329-5532 (fax)

Security Hardware
Security clips, pads and cables
Macintosh 512K or larger.
$5.75 retail; Security Clip
$3.90 to $5.70 retail; Security Cables
$4.90 to $6.50 retail; Security Pads
Quantity discounts available
Katsura Design; 1124 Page St., Ste. 4; San Francisco, CA 94117; 415-864-7908

Sentinel Kablit Security System
PowerBook security device
Macintosh PowerBook.
$49.95 retail
Secure-It, Inc.; 18 Maple Ct.; East Longmeadow, MA 01028; 413-525-7039 or 800-451-7592

SentinelEve3
Software execution control device
Macintosh SE or larger, including PowerBook; System 6.0 or later.
$36 in quantities
Rainbow Technologies, Inc.; 9292 Jeronimo Rd.; Irvine, CA 92718; 714-454-2100, 800-852-8569 or 714-454-8557 (fax)

SonicPro Alarm LT128 And 128B
External motion-detecting computer burglar alarm
Any Macintosh or PowerBook.
$89.95 retail; LT128 (PowerBook)
$79.95 retail; 128B (Macintosh)
SonicPro International Inc.; 5201 Great America Pkwy., Ste. 128; Santa Clara, CA 95054; 408-982-2568, 800-848-0300 or 408-982-2570 (fax)

Steelguard I
Anti-theft device
Any Macintosh.
$89.95 retail
Qualtec Data Products, Inc.; 47767 Warm Springs Blvd.; Fremont, CA 94539; 510-490-8911, 800-628-4413 or 510-490-8471 (fax)

SureKey/2
Computer security
Macintosh II family.
$98 retail; software only
Key Concepts, Inc.; 316 S. Eddy St.; South Bend, IN 46617; 219-234-4207, 800-526-6753 or 219-234-6414 (fax)

Thumb Lock
Safety fasteners
Any Macintosh.
$9.95 to $17.95 retail
Fastening Solutions, Inc.; 15230 Burbank Blvd., #106; Van Nuys, CA 91411; 800-232-7836 or 818-997-1371 (fax)

TraqNet
Dial-in security device
Telephone line PSTN; local area network.
$950 retail; base price (single port)
LeeMah DataCom Security Corp.; 3948 Trust Way; Hayward, CA 94545; 510-786-0790, 800-992-0020 or 510-786-1123 (fax)

Universal Floppy Drive Lock
Hardware to control access to the diskette drive
Any Macintosh.
$19.95 retail
PC Guardian; 1133 E. Francisco Blvd., Ste. D; San Rafael, CA 94901; 415-459-0190, 800-288-8126 or 415-459-1162 (fax)

Universal Notebook Guardian
Theft prevention
Any notebook computer.
$39.95 retail
PC Guardian; 1133 E. Francisco Blvd., Ste. D; San Rafael, CA 94901; 415-459-0190, 800-288-8126 or 415-459-1162 (fax)

Versa Grip Earthquake Safety Holder
Hurricane safety device for equipment
Any Macintosh.
$14.95 retail; set of 2
Versa Lock, Inc.; 19215 Parthenia St., Ste. E; Northridge, CA 91324; 818-886-8962, 800-248-5625 or 818-886-1940 (fax)

Hardware & Peripherals/ Other

AESP Switch Boxes
Switch boxes for non-SCSI peripherals
Macintosh Plus or larger.
$75 retail; two positions
$89 retail; three positions
$99 retail; four positions
AESP, Inc.; 1810 NE 144th St.; N. Miami Beach, FL 33181; 305-944-7710, 800-446-2377 or 305-652-8489 (fax)

Alix
V-LAN-compatible desktop module for single-frame animation and video editing control
Macintosh II or Quadra; V-LAN-supported videotape or videodisc recorder/player.
$1,695 retail; Alix-1
$2,490 retail; Alix-2
Videomedia, Inc.; 175 Lewis Rd., Unit 23; San Jose, CA 95111; 408-227-9977 or 408-227-6707 (fax)

■ **Apple Media Authoring Solution**
Essential tools required for media authoring, integration and production
Macintosh Quadra 800, 840AV or 950; 32 MB of RAM; 1,000 MB hard disk drive; AppleCD 300 double-speed CD-ROM drive.
The Apple Media Authoring Solution contains the essential tools required for media authoring, integration and production. From 3-D modeling to animation, from special video effects to object-oriented authoring, this solution includes the software and hardware needed to create titles, online presentations, video kiosks and games. This Apple-designed solution is intended for use with a user's choice of high-performance Macintosh Quadra computers. AppleDesign Powered Speakers, included in this solution, equip the Quadras with CD-quality near-field stereo output. SuperMac DigitalFilm and ThunderStorm tools enable users to go from concept through production to mastering the video and audio portions of a CD-ROM. DigitalFilm adds capture capabilities for audio and full-motion video. The ThunderStorm image processing card accelerates the application filters in Adobe Premiere and Photoshop, as well as in CoSA After Effects. The solution includes a complete suite of software programs: Adobe Photoshop, Adobe Premiere, Apple Media Tool, CoSA After Effects, Macromedia MacroModel, Macromedia Director, Macromedia Action! with ClipMedia, Macromedia Sound Edit Pro and Kodak Shoebox.
Call for pricing

Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Apple Multimedia Kit
Multimedia upgrade kit
Macintosh with 68020 or larger processor; PMMU; 4 MB of RAM; hard disk drive; 8-bit color display.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

■ **Apple Professional Video Production Solution**
Provides users with a high-quality digital video production studio
Macintosh Quadra 800 or 950; 32 MB of RAM; 1,000 MB hard disk drive; AppleCD 300 double-speed CD-ROM drive.
The Apple Professional Video Production Solution delivers a high-quality digital video production studio anywhere users can put a computer. It gives CD-ROM-equipped Macintosh Quadra computers (800 or 950) true full-screen, full-motion video capabilities — without pixel doubling. And it contains everything needed to quickly and easily capture, display, edit and output professional-quality video to videotape with professional-quality stereo sound mixing and editing capabilities. Included are: AppleDesign Powered Speakers, which equip the Macintosh Quadras with CD-quality near-field stereo output; Radius Video-Vision Studio JPEG video capture card; 2 GB MacinStor SpeedArray from Storage Dimensions; Digidesign AudioMedia II 16-bit CD-quality sound card; Adobe Premiere Deluxe CD-ROM Edition; and VideoFusion.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

■ **AST-702 Target Tester**
Allows testing of disk drive
Any Macintosh.
The AST-702 Target Tester contains many selectable tests that allow users to exercise and test a disk drive (or other target). Tests include seek tests, read/write tests (with read data compare), performance testing, etc. The AST-702 is a stackable stand-alone unit with LCD front panel display and buttons for test selection. The AST-702 automatically scans the SCSI bus and runs the selected test on any targets that are found. The unit is capable of testing SCSI 1 and SCSI 2, fast and wide. Models come in differential or single-ended versions. Optional memory is available and will increase the standard R/W buffer size from 128 KB up to 2 MB. This may be used with other Ancot products, such as the SCSI Multiplexer/Switch.
$2,995 to $4,995 retail
ANCOT Corp.; 115 Constitution Dr.; Menlo Park, CA 94025; 415-322-5322 or 415-322-0455 (fax)

Bandit
Digital animation and video recorder
Macintosh II or larger.
$5,995 retail; storage module additional (component and S-Video I/O available)
Fast Forward Video; 18200-C W. McDurmott; Irvine, CA 92714; 714-852-8404, 800-755-8463 or 714-852-1226 (fax)

BTM BusinessMac Re-Packaging System
Alternative cabinet housing Mac motherboard, internal disk drives and additional add-ons
Any Macintosh.
$350 and up retail; standard cases
$850 and up retail; rackmount (19-inch) cases
Business Technology Manufacturing, Inc.; 42-20 235th St.; Douglaston, NY 11363; 718-229-8080

Cash Drawer
Programmable cash drawer
Any Macintosh.
$435 retail
APG, Division Of UMI, Inc.; 5250 Industrial Blvd. NE; Fridley, MN 55430; 612-571-5000 or 612-571-5771 (fax)

Cyber-Upgrade
3-D stereoscopic upgrade
Macintosh PowerBook with active-matrix color display.
$1,500 retail
VRex, Inc.; 8 Skyline Dr.; Hawthorne, NY 10532; 914-345-8877 or 914-345-9558 (fax)

DQ-Animaq
Video animation and edit controller
Macintosh II or Quadra family.
$1,995 retail; DQ-Animaq Desktop Model
$1,495 retail; DQ-Animaq Broadcast Model
$595 retail; ProPac Animaq 2.0 with QuickPass Option
$595 retail; Editmaq Option
Diaquest, Inc.; 1440 San Pablo Ave.; Berkeley, CA 94702; 510-526-7167 or 510-526-7073 (fax)

DSC-216 FTE
SCSI bus tracer/analyzer; SCSI initiator emulator
Macintosh 512K or larger.
$8,550 starting price retail
ANCOT Corp.; 115 Constitution Dr.; Menlo Park, CA 94025; 415-322-5322 or 415-322-0455 (fax)

DSC-302 SCSI Target Emulator/Error Generator
Allows comprehensive testing of SCSI Initiator devices and systems
50-pin SCSI connector and power +5V/1.6 amp.
$2,490 retail
ANCOT Corp.; 115 Constitution Dr.; Menlo Park, CA 94025; 415-322-5322 or 415-322-0455 (fax)

■ **DTP32 Color Copier Calibration Tool**
Automates calibration and control of dot gain for PostScript color copiers and color proofers
Macintosh Plus or larger; System 6.1 or later; hard disk drive; color copier with PostScript RIP via AppleTalk or Ethernet.
DTP32 Auto Scan densitometer works in conjunction with Color Encore to automate calibration and control of dot gain for PostScript color copiers and color proofers. The hardware and software provide automatic calibration that's up to four times faster. The DTP32 is an automatic strip reading color reflection/transmission densitometer for calibration of color output devices. It ensures the consistency and accuracy of digital color printer output. Color Encore combines linearization with dot gain correction. This makes the color copier emulate a color proofing system without the processing overhead of a color management system.
$2,600 retail
X-Rite, Inc.; 3100 44th St. SW; Grandville, MI 49418; 616-534-7667, ext. 347 or 616-534-8960 (fax)

EL4 SSTI And SL2120 SSTI Cash Drawers
Electronic cash drawers
Any Macintosh.
$495 each retail
Indiana Cash Drawer Co.; PO Box 236; Shelbyville, IN 46176; 317-398-6643, 800-227-4379 or 317-392-0958 (fax)

Express
V-LAN-compatible controller for single-VTR applications
Macintosh II or Quadra family; V-LAN-supported videotape or videodisc recorder/player.
$795 retail
Videomedia, Inc.; 175 Lewis Rd., Unit 23; San Jose, CA 95111; 408-227-9977 or 408-227-6707 (fax)

Extender For NuBus
Enhances the process of testing and developing NuBus products
Macintosh NuBus.
$60 retail; one to three
$55 retail; four to eight
$50 retail; nine and up
Call for a free brochure
AZ-COM; 12 Rose Ln., Ste. 104; Orinda, CA 94563; 510-254-5400 (phone/fax) or 800-209-2418 (phone/fax)

Extender, Electronic For LC
Enhances the process of testing and developing LC products
Macintosh LC or larger.
$599 retail; one to three
$549 retail; four to eight
$499 retail; nine and up
Call for free brochure
AZ-COM; 12 Rose Ln., Ste. 104; Orinda, CA 94563; 510-254-5400 (phone/fax) or 800-209-2418 (phone/fax)

Extender, Electronic For NuBus
Enhances the process of testing and developing NuBus products
Macintosh NuBus.
$599 retail; one to three
$549 retail; four to eight
$499 retail; nine and up
Call for a free brochure
AZ-COM; 12 Rose Ln., Ste. 104; Orinda, CA 94563; 510-254-5400 (phone/fax) or 800-209-2418 (phone/fax)

Infotek Other Hardware
Sound digitizers, composition keyboard, video adapters
Macintosh 512K or larger.
$125 retail; Macdig sound digitizer
$74 retail; Stereomac
$119 retail; Macdig II
$350 retail; Porta Mac Kit
Infotek, Inc.; 56 Camille; E. Patchogue, NY 11772; 516-289-9682

■ **Infra Red Remote Control (IRRC)**
Controls TV, video, VHS
Any Macintosh with a serial port.
Infra Red Remote Control can be used for home control of TV, video and VHS. A huge number of professional applications based on infrared can be developed (IR communications, remote control, etc.). It can be plugged into any serial or ADB port.
$85 retail
MIPSYS; Ferme du Moulon; 91190 Gif sur Yvette, France; 33-1-60-19-07-03 or 33-1-60-19-00-20 (fax)

Kroy Color; Kroy Color Plus
Color processor
Macintosh 512K or larger; laser printer.
$875 retail; Kroy Color Plus
65 cents to 75 cents retail; per film sheet
Kroy Sign Systems; 14555 N. Hayden Rd.; Scottsdale, AZ 85260; 602-948-2222, 800-733-5769 or 602-951-7033 (fax)

LaserKolor
Add color to laser printer or Xerox copier output
Any laser printer or Xerox output.
$494 retail; portable unit
$599 retail; professional unit
$.50 each retail; transfer sheets
Infotek, Inc.; 56 Camille; E. Patchogue, NY 11772; 516-289-9682

LaserPlex 2 (With LaserPlex IQ)
Multiplexing system that provides an interface between Monotype RIPs and recorders over long distances
Any Macintosh.
$7,500 retail
$1,500 retail; LaserPlex IQ
Monotype, Inc.; 2100 Golf Rd.; Rolling Meadows, IL 60008; 708-427-8800 or 708-427-8860 (fax)

■ **Mac II-SG**
Plug-in card synchronized generator
Macintosh II or larger.
The Mac II-SG has been designed to provide synchronized time information directly on the bus of a Macintosh II computer system. This plug-in card will phase lock to within 1 microsecond of an IRIG B time code input and provide time information from microseconds through thousands of years, as well as indicators of the quality of time information. Alternatively, the Mac II-SG will operate as a stand-alone generator.
$1,750 retail
TrueTime, Inc.; 2835 Duke Ct.; Santa Rosa, CA 95407; 707-528-1230 or 707-527-6640 (fax)

Mac-EZ-Programmer
Portable Eprom programmer
Macintosh Plus or larger; System 6.0 or later.
$299.95 retail
Intronics, Inc.; PO Box 13723; Edwardsville, KS 66113; 913-422-2094

These Products Available Through Bottom Line Distribution
1-800-347-1923

MacAdios Analog Breakout System (ABO)
Low-cost analog breakout system for MacAdios II, Jr, SE, 8ain and J2E daughterboard
Macintosh SE or II family; MacAdios hardware.
$190 retail
GW Instruments; 35 Medford St.; Somerville, MA 02143; 617-625-4096 or 617-625-1322 (fax)

MacAdios Digital Breakout System (DBO)
Low-cost digital breakout system for MacAdios II, Jr, SE and 8dio hardware
Macintosh SE or II family; MacAdios hardware.
$140 retail
GW Instruments; 35 Medford St.; Somerville, MA 02143; 617-625-4096 or 617-625-1322 (fax)

MacCard
Magnetic card reader with a built in clock for date/time registration, and with a keyboard for extra code-input
Macintosh Plus or larger.
$750 retail
Intersoft Electronics; Lammerdries 27; 2250 Olen, Belgium; (32)14-23-18-11 or (32)14-23-19-44 (fax)

MacExtender
Makes debugging easier
Macintosh II or larger.
$79 retail
Dynamic Engineering; 435 Park Dr.; Ben Lomond, CA 95005; 408-336-5531 or 408-336-3840 (fax)

MacFinish
Electronic photofinish system
Macintosh LC or larger.
Write for pricing
Intersoft Electronics; Lammerdries 27; 2250 Olen, Belgium; (32)14-23-18-11 or (32)14-23-19-44 (fax)

MacFinish II
Electronic photo finish system
Macintosh with 68020 or larger processor; 8 MB of RAM; 80 MB hard disk drive; System 6.0.7 or later.
Write for pricing
Intersoft Electronics; Lammerdries 27; 2250 Olen, Belgium; (32)14-23-18-11 or (32)14-23-19-44 (fax)

Macintosh Adapter Card
Disk drive test equipment
All Macintosh floppy disk drives, including PowerBook.
$300 retail
AVA Instrumentation, Inc.; 9672 Manzanita Ave.; Ben Lomond, CA 95005; 408-336-2281 or 408-336-5049 (fax)

MacProducer
Development and production tool
Macintosh II or Quadra.
$1,998 retail
Applied Technologies; Niedstrasse 22; D-12159 Berlin; Germany; +49-30-8592958 or +49-30-8514615 (fax)

MacTruck
Compiles trip and driver data
Macintosh Classic or larger.
$900 retail; black box
$1,720 retail; software
Cotrama N.V.; Lammerdries 27; 2250 Olen, Belgium; 014-23-19-11 or 014-23-20-24 (fax)

Mak-Rak
19-inch Macintosh rack mount systems
Any Macintosh.
$1,400 and up retail
Business Technology Manufacturing, Inc.; 42-20 235th St.; Douglaston, NY 11363; 718-229-8080

MixNet 1x4
Allows users to plug four peripherals into one port
Macintosh Plus or larger.
$49 retail
Thor Manufacturing; PO Box 10108; Reno, NV 89510; 702-324-6600 or 800-346-4694

MonitorMiser
Automatically powers off monitor
Any Macintosh with an external monitor.
$79.95 retail
Inversion Development Corp.; 835 Maude Ave.; Mountain View, CA 94043; 415-940-7805 or 415-940-7849 (fax)

MP-91 MultiPort Expander
Multiple serial port switch
Macintosh Classic or larger; System 6.0.5 or later.
$229 retail
Silicon Valley Bus Co.; 475 Brown Rd.; San Juan Bautista, CA 95045; 408-623-2300 or 408-623-4440 (fax)

Multi-Port Unit
Intelligent serial device for point of sale and order entry
Macintosh Plus or larger.
$945 and up retail
E.E.S. Companies, Inc.; 2 Vernon St., Ste. 404; Framingham, MA 01701; 508-653-6911 or 508-650-1872 (fax)

PACE
Professional animation control engine
Macintosh II family.
$2,995 retail
Videomedia, Inc.; 175 Lewis Rd., Unit 23; San Jose, CA 95111; 408-227-9977 or 408-227-6707 (fax)

PixelCorrelator
Correlation acceleration
Macintosh II family.
$4,195 retail
Perceptics Corp.; 725 Pellissippi Pkwy.; Knoxville, TN 37932; 615-966-9200 or 615-966-9330 (fax)

Pixie
NuBus extender/tester board; works with 96-pin PDS
Macintosh II, Quadra or any NuBus computer.
$189 retail; Benchmark Edition
$289 retail; Expert Edition
Jets Cybernetics; The Penthouse; 535 Ramona St.; Palo Alto, CA 94301; 415-322-5387, 800-369-5387 or 415-327-5387 (fax)

PLI SCSI Booster
Increases data transfer rates
Macintosh Quadra 800 or larger.
$99 retail
Peripheral Land, Inc.; 47421 Bayside Pkwy.; Fremont, CA 94538; 510-657-2211, 800-288-8754 or 510-683-9713 (fax)

Port Juggler
Share one peripheral with up to four Macintoshes or attach more devices to a single Macintosh
Macintosh Plus or larger.
$99 retail
Momentum Inc.; 328 Uluniu St., Ste. 207; Kailua, HI 96734; 808-599-3501 or 808-599-5901 (fax)

Power Voice CCCI
Voice command for X-10 Powerhouse modules
Macintosh Plus or larger; 4 MB of RAM; hard disk drive; System 6.0.7 or later; Voice Navigator II; X-10 Powerhouse Computer Interface.
$225 retail; Power Voice Command-Control Communication Interface software only
$500 retail; Voice Navigator II
$85 retail; Powerhouse Computer Interface
$125 retail; Telephone Interface
$125 retail; Walkie-talkie interface
$999 retail; complete system of all above items
Critical Path Design Sciences; PO Box 43; Oceanside, CA 92049; 619-439-4564

PowerExtend
NuBus RAM expansion card that appears on the desktop as a disk drive
Macintosh Quadra 840AV.
$370 retail; 0 MB memory
$13,622 retail; 256 MB memory
Newer Technology; 7803 E. Osie, Ste. 105; Wichita, KS 67207; 316-685-4904, 800-678-3726 or 316-685-9368 (fax)

Proxi Mac
Integrated environmental control for the Macintosh; integrates telephone access, control of AC devices, infrared remote control and intercom systems
Macintosh Plus or larger; 2 MB of RAM (4 MB recommended); hard disk drive; HyperCard 2.1 or later; System 6.0.3 or later.
$3,945 U.S. retail; free demo disk available
Madenta Communications, Inc.; 9411 A 20th Ave.; Edmonton, Alberta, Canada T6N 1E5; 403-450-8926, 800-661-8406 or 403-988-6182 (fax)

Rotary Switch Boxes
Peripheral-sharing device
Any Macintosh.
$39.95 retail; SB-ABM (8-pin mini DIN, two-way)
$49.95 retail; SB-ABCDM (8-pin mini DIN, four-way)
ORA Electronics; 9410 Owensmouth Ave.; Chatsworth, CA 91311; 818-772-2700

SCSI Expander
SCSI logical unit translator
Macintosh II or larger.
$995 retail
ATTO Technology, Inc.; Audubon Technology Park; 40 Hazelwood, #106; Amherst, NY 14228; 716-691-1999 or 716-691-9353 (fax)

SCSI Multiplexer/Switch
Expands the capacity of a SCSI bus system
Any Macintosh.
$2,600 to $2,840 retail
ANCOT Corp.; 115 Constitution Dr.; Menlo Park, CA 94025; 415-322-5322 or 415-322-0455 (fax)

SCSI Test Bus Monitor
Enables SCSI users to monitor activity on the SCSI bus
Macintosh Plus or larger.
$300 retail
Applied Concepts, Inc.; 9130 SW Pioneer Ct., Ste. B; Wilsonville, OR 97070; 503-685-9300, 800-624-6808 or 503-685-9099 (fax)

SED-608 And SED-616
Single-ended to differential SCSI bus converters
Any Macintosh.
$300 to $450 retail
ANCOT Corp.; 115 Constitution Dr.; Menlo Park, CA 94025; 415-322-5322 or 415-322-0455 (fax)

SLD Cash Drawer
Electronic cash drawer
Any Macintosh.
$425 starting price retail
Indiana Cash Drawer Co.; PO Box 236; Shelbyville, IN 46176; 317-398-6643, 800-227-4379 or 317-392-0958 (fax)

SMA-924
SCSI bus switches
Any Macintosh.
$795 to $995 retail
ANCOT Corp.; 115 Constitution Dr.; Menlo Park, CA 94025; 415-322-5322 or 415-322-0455 (fax)

Sony EVO-9650
Hi8 video deck for recording frame-rendered animation
Macintosh II.
$5,995 retail
Sony Electronics, Inc.; Business & Professional Products Group; 3 Paragon Dr.; Montvale, NJ 07645; 201-930-6034

Sony UVW-1400
Betacam SP VTR for computer-assisted duplication for distribution
Macintosh II or larger.
$7,280 retail
Sony Electronics, Inc.; Business & Professional Products Group; 3 Paragon Dr.; Montvale, NJ 07645; 201-930-6034

Sony UVW-1800
Betacam SP VTR for PC-based editing and computer-controlled animation
Macintosh II or larger.
$9,450 retail

Sony Electronics, Inc.; Business & Professional Products Group; 3 Paragon Dr.; Montvale, NJ 07645; 201-930-6034

Sony Vdeck 500
8mm VCR
Macintosh II.
$759.95 suggested retail
Sony Electronics Inc.; Computer Peripheral Products Co.; 3300 Zanker Rd.; San Jose, CA 95134; 408-432-0190, 800-352-7669 or 408-955-5169 (fax)

Sony Vdeck Hi8
8mm VCR
Macintosh II.
$1,739.95 suggested retail
Sony Electronics Inc.; Computer Peripheral Products Co.; 3300 Zanker Rd.; San Jose, CA 95134; 408-432-0190, 800-352-7669 or 408-955-5169 (fax)

Stika
Sign-making device
Any Macintosh; connecting cable; software.
$499 retail
Roland Digital Group; 1961 McGaw Ave.; Irvine, CA 92714; 714-975-0560 or 714-975-0569 (fax)

Systemizer Plus
Networkable peripheral sharing device, up to 1 MB of buffering/spooling per user, capable of parallel or serial operation (or conversion), file transfer, E-mail and data translation
Any Macintosh; any RS-232C serial or centronics parallel device.
$399 retail; with 256K
CONNEXPERTS; One Galleria Tower; 13355 Noel Rd., Ste. 1600; Dallas, TX 75240; 214-233-8800, 800-433-5373 or 214-239-6490 (fax)

TestRunner
Workstation for automated software testing
386 PC; 8 MB of RAM.
$30,000 retail
Mercury Interactive Corp.; 3333 Ocatavius Dr.; Santa Clara, CA 95054; 408-987-0100 or 408-982-0149 (fax)

V-LAN-CX
Low-cost V-LAN-compatible receiver for "prosumer" video devices
Macintosh II or Quadra; any V-LAN-supported "prosumer" deck (Control-L, Control-M, Sony VISCA).
$795 retail
Videomedia, Inc.; 175 Lewis Rd., Unit 23; San Jose, CA 95111; 408-227-9977 or 408-227-6707 (fax)

Video-Mux 8x4
Video routing switch
Macintosh LC or larger.
$995 retail
Computer Modules, Inc.; 2350A Walsh Ave.; Santa Clara, CA 95051; 408-496-1881 or 408-496-1886 (fax)

WTI-PrimeTime
External, self-contained television tuner
Macintosh II family; 4 MB of RAM; video digitizer card.
$375 retail
Workstation Technologies, Inc.; 18010 Sky Park Cir., Ste. 155; Irvine, CA 92714; 714-250-8983 or 714-250-8969 (fax)

X-10
Home control interface
Any Macintosh; external disk drive or hard disk drive.
$69.99 retail; Home Control Interface
$14.99 each module retail; Appliance, Lamp, Wall Switch
X-10 (USA), Inc.; 91 Ruckman Rd.; Closter, NJ 07624; 201-784-9700 or 201-784-9464 (fax)

ZPS-150cxi V4.0
150-watt power supply
Macintosh IIcx, IIci, IIvx, IIvi, Quadra 700, Performa 600 or Centris 650.
$199 retail
Quadmation, Inc.; 1120 Stewart Ct., Ste L; Sunnyvale, CA 94086; 408-733-5557 or 408-733-1938 (fax)

ZPS-230fx V2.0
234-watt power supply
Macintosh II, IIx or IIfx.
$199 retail
Quadmation, Inc.; 1120 Stewart Ct., Ste L; Sunnyvale, CA 94086; 408-733-5557 or 408-733-1938 (fax)

ZPS-40LC
40-watt power supply
Macintosh LC, LC II or LC III.
$159 retail
Quadmation, Inc.; 1120 Stewart Ct., Ste L; Sunnyvale, CA 94086; 408-733-5557 or 408-733-1938 (fax)

Hardware & Peripherals/Communications/Fax Modems

■ 14400PMF Pocket Modem
Personal modem and fax
Any Macintosh with serial port.
The 14400PMF high-speed personal modem and fax is designed for the discriminating mobile computer user. The Model 14400PMF offers full V.32bis, 14,400 bps fax operation, greatly reducing telephone connect times. The 14400PMF offers a full range of DTE speeds from 38,400 bps to 300 bps; sends and receives 14,400 bps fax; has full CCITT compatibility; error correction; data compression; and LED indicators.
$312 retail
Mitac Industrial Corp.; 3270 Scott Blvd.; Santa Clara, CA 95054; 408-980-9565 or 408-980-9568 (fax)

1442FXMAC
14,400 bps data/14,400 bps send and receive fax modem
Macintosh Plus or larger; hard disk drive recommended.
$499 retail
Best Data Products, Inc.; 9304 Deering Ave.; Chatsworth, CA 91311; 818-773-9600, 800-632-2378 or 818-773-9619 (fax)

9624PF
Pocket fax/modem
Any Macintosh.
$89 retail
Micro Electronic Technologies, Inc.; 35 South St.; Hopkinton, MA 01748; 508-435-9057, 800-766-7466 or 508-435-6481 (fax)

9696PF
Pocket fax/modem
Any Macintosh.
$159 retail
Micro Electronic Technologies, Inc.; 35 South St.; Hopkinton, MA 01748; 508-435-9057, 800-766-7466 or 508-435-6481 (fax)

COMstation 14.4
External ultra high-speed fax/data modem
Macintosh with 68020 processor or larger; hard disk drive; 300K of free RAM to run FAXcilitate; additional 3.5 MB of free RAM for OCR; System 7.0 or later.
$199 direct
PSI Direct, a div. of Supra Corp.; 501 SE Columbia Shores Blvd., Ste 700; Vancouver, WA 98661; 800-622-1722 or 206-905-1448 (fax)

COMstation 14.4 Plus
External ultra high-speed fax/data modem
Macintosh with 68020 processor or larger; hard disk drive; 300K of free RAM to run FAXcilitate; additional 3.5 MB of free RAM for OCR; System 7.0 or later.
$269 direct
PSI Direct, a div. of Supra Corp.; 501 SE Columbia Shores Blvd., Ste 700; Vancouver, WA 98661; 800-622-1722 or 206-905-1448 (fax)

COMstation 96/24
External fax/data modem
Macintosh with 68020 processor or larger; hard disk drive; 300K of free RAM to run FAXcilitate; additional 3.5 MB of free RAM for OCR; System 7.0 or later.
$99 direct
PSI Direct, a div. of Supra Corp.; 501 SE Columbia Shores Blvd., Ste 700; Vancouver, WA 98661; 800-622-1722 or 206-905-1448 (fax)

Courier V.Fast Class Fax And Courier HST Dual Standard V.Fast Class Fax
Fax modems
Macintosh Plus or larger.
Call for pricing
U.S. Robotics, Inc.; 8100 N. McCormick Blvd.; Skokie, IL 60076; 708-982-5001, 800-342-5877 or 708-982-5235 (fax)

Dispatcher
Data/fax modem
Macintosh PowerBook.
$299 retail; 14.4/14.4
$279 retail; 9600/9600
$199 retail; 2400/9600
Piiceon; 1996 Lundy Ave.; San Jose, CA 95131; 408-432-8030, 800-366-2983 or 408-432-1276 (fax)

DowJet 2136
Facsimile transceiver/modem
Macintosh Plus or larger; 1 MB of RAM; 20 MB hard disk drive.
$495 retail; includes AutoFax software and cable
Relisys; 320 S. Milpitas Blvd.; Milpitas, CA 95035; 408-945-9000 or 408-945-0587 (fax)

EasyModem
2400 and 14,400 bps data and data/facsimile modems (9600 bps fax)
Any Macintosh.
$190 to $676 retail
PerfectData Corp.; 110 Easy St.; Simi Valley, CA 93065; 805-581-4000 or 805-522-5788 (fax)

FlexFax
Fax modem; 4-Sight Fax compatible
Macintosh Plus or larger; 2.5 MB of RAM; hard disk drive; System 6.0.4 or later; printer recommended.
$699 retail; FlexFax (2400/9600 bps)
$899 retail; FlexFax Ultra (14.4/14.4 kbps)
Circuit Research Corp.; 2 Townsend W, Ste. 6; Nashua, NH 03063; 603-880-4000, 800-447-4448 or 603-880-8297 (fax)

FlexFax D.I.D.
Direct Inward Dial interface; 4-Sight Fax compatible
Macintosh Plus or larger; 5 MB of RAM; hard disk drive; System 6.0.5 or later; printer recommended.
$899 retail
Circuit Research Corp.; 2 Townsend W, Ste. 6; Nashua, NH 03063; 603-880-4000, 800-447-4448 or 603-880-8297 (fax)

FlexFax With 4-Sight
Fax modem and network software
Macintosh Plus or larger; 5 MB of RAM; hard disk drive; System 6.0.5 or later; printer recommended.
$1,495 retail
Circuit Research Corp.; 2 Townsend W, Ste. 6; Nashua, NH 03063; 603-880-4000, 800-447-4448 or 603-880-8297 (fax)

FM144/144V
External and internal 14,400 bps V.32bis fax modems with V.42bis/MNP5 and 14,400 bps Group III send/receive fax
Macintosh Plus or larger.
Call for pricing
GVC Technologies, Inc.; 376 Lafayette Rd.; Sparta, NJ 07850; 201-579-3630 or 201-579-2702 (fax)

FM9648/24
External and internal 9600 bps Group III fax/2400 bps data modems
Macintosh Plus or larger.
Call for pricing
GVC Technologies, Inc.; 376 Lafayette Rd.; Sparta, NJ 07850; 201-579-3630 or 201-579-2702 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

FM9696/24
External and internal 9600 bps Group III send/receive fax; 2400 bps data modems
Macintosh Plus or larger.
Call for pricing
GVC Technologies, Inc.; 376 Lafayette Rd.; Sparta, NJ 07850; 201-579-3630 or 201-579-2702 (fax)

Home Office
Integrated voice, 2400 bps modem and 9600 bps send/receive fax
Macintosh Plus or larger; hard disk drive; System 6.0.7 or later.
$249 retail
Prometheus Products, Inc.; 9524 SW Tualatin Sherwood Rd.; Tualatin, OR 97062; 503-692-9600, 800-477-3473 or 503-691-1101 (fax)

IntelliModem 144
High-speed data/fax modem
Any Macintosh.
$299 retail
Calculus, Inc.; 1050 Independence Ave.; Mountain View, CA 94043; 415-390-8770 or 415-390-9588 (fax)

MacClass
28,800-bps and 14,400-bps modems
Macintosh Plus or larger; 2 MB of RAM; hard disk drive; System 6.0.5 or later.
$429 retail; MC288LCD V.FC
$299 retail; MC288MT II V.FC
$159 retail; MC144MT II
Practical Peripherals, Inc.; 375 Conejo Ridge Ave.; Thousand Oaks, CA 91361; 805-497-4774, 800-442-4774 or 805-374-7200 (fax)

■ **Magic 24/96 PowerBook Sendfax**
Fax modem
Macintosh PowerBook.
The Magic 24/96 PowerBook Sendfax mounts internally to any Macintosh PowerBook. It offers 2400 bps modem speed and 9600 bps send and receive fax speed. The Magic 24/96 includes a PowerBook tool and a one-year warranty.
$79 retail
MacProducts USA; 608 W. 22nd St.; Austin, TX 78705; 512-472-8881 or 512-499-0889 (fax)

MaxFax 144/M-PB
14,400 bps fax/data modem
Macintosh with 68020 or larger processor; 4 MB of RAM; 2 MB of free hard disk space.
Call for pricing
Macronix, Inc.; 1338 Ridder Park Dr.; San Jose, CA 95131; 408-453-8088, 800-858-5311 or 408-453-8488 (fax)

MultiModemII
Data/fax modems with software and cable
Macintosh 512KE or larger.
$499 retail; Model MT224BAF-MAC
$729 retail; Model MT932BA-MAC
$779 retail; Model MT1432BA-MAC
$699 retail; Model MT1432MU-MAC
Include cable and Quick Link II data communications software and Quick Link Fax fax software
Multi-Tech Systems, Inc.; 2205 Woodale Dr.; Mounds View, MN 55112; 612-785-3500, 800-328-9717 or 612-785-9874 (fax)

Optima Data + FAX Products
External fax modems
Macintosh Plus or larger.
$519 retail; Optima 144 + FAX144
$479 retail; Optima 96 + FAX96
$159 retail; Optima 24 + FAX96
$599 retail; Optima 144 + FAX144 Pocket Edition
Hayes Microcomputer Products, Inc.; PO Box 105203; Atlanta, GA 30348; 404-441-1617 or 404-449-0087 (fax)

P1414MX UFOmate
Portable fax/modem
Macintosh Plus or larger.
$399 retail
E-Tech Research, Inc.; 3525 Ryder St.; Santa Clara, CA 95051; 408-730-1388, 800-328-1738 or 408-730-2488 (fax)

P9624FXMAC
2400 bps data modem/9600 bps send and receive fax
Macintosh Plus or larger.
$149 retail
Best Data Products, Inc.; 9304 Deering Ave.; Chatsworth, CA 91311; 818-773-9600, 800-632-2378 or 818-773-9619 (fax)

PM14400FX Pocket MAC
14,400 bps data/fax modem ideal for Macintosh PowerBooks
Any Macintosh.
$429 retail
Practical Peripherals, Inc.; 375 Conejo Ridge Ave.; Thousand Oaks, CA 91361; 805-497-4774, 800-442-4774 or 805-374-7200 (fax)

PM14400FXSA MAC
14,400 bps data modem with send/receive fax capabilities
Any Macintosh.
$579 retail
Practical Peripherals, Inc.; 375 Conejo Ridge Ave.; Thousand Oaks, CA 91361; 805-497-4774, 800-442-4774 or 805-374-7200 (fax)

PM2400EFXSA MAC
2400 bps data modem/9600 bps fax
Any Macintosh.
$189 retail
Practical Peripherals, Inc.; 375 Conejo Ridge Ave.; Thousand Oaks, CA 91361; 805-497-4774, 800-442-4774 or 805-374-7200 (fax)

PM2400FX96SA MAC
2400 bps data modem/9600 bps send/receive fax
Any Macintosh.
$159 retail
Practical Peripherals, Inc.; 375 Conejo Ridge Ave.; Thousand Oaks, CA 91361; 805-497-4774, 800-442-4774 or 805-374-7200 (fax)

Pocket Modem 24 With Fax
Fax/data modem
Any Macintosh.
$229 retail
Ven-Tel Inc.; 2121 Zanker Rd.; San Jose, CA 95131; 408-436-7400, 800-538-5121 or 408-436-7451 (fax)

PowerBook 14,400 Internal Fax/Modem
High-speed fax/modem
Macintosh PowerBook.
$329 retail
Angia Communications; 441 E. Bay Blvd.; Provo, UT 84605; 801-371-0488, 800-877-9159 or 801-373-9847 (fax)

PowerModem 14.4
Internal send and receive fax/data modems
Macintosh PowerBook 100 thru 180c; hard disk drive; 300K of free RAM to run FAXcilitate; additional 3.5 MB of free RAM for OCR; System 7.0 or later.
$249 direct
PSI Direct, a div. of Supra Corp.; 501 SE Columbia Shores Blvd., Ste 700; Vancouver, WA 98661; 800-622-1722 or 206-905-1448 (fax)

PowerModem 96/24
Internal send and receive fax/data modem
Macintosh PowerBook 100 thru 180c; hard disk drive; 300K of free RAM to run FAXcilitate; additional 3.5 MB of free RAM for OCR; System 7.0 or later.
$69 direct
PSI Direct, a div. of Supra Corp.; 501 SE Columbia Shores Blvd., Ste 700; Vancouver, WA 98661; 800-622-1722 or 206-905-1448 (fax)

PowerPort Series
Internal fax/modems for PowerBook computers
Macintosh PowerBook; System 7.0 or later.
$399 retail; PowerPort/Gold (14,400 bps)
$349 retail; PowerPort/Silver (9600 bps)
$319 retail; PowerPort/Bronze (2400 bps)
Global Village Communication, Inc.; 685 E. Middlefield Rd., Bldg. B; Mountain View, CA 94043; 415-390-8200, 800-736-4821 or 415-390-8282 (fax)

PowerPort/Mercury For The PowerBook 1XX Series
Fax/data modem
Macintosh PowerBook 100 series; 4 MB of RAM; 2 MB of free hard disk space; System 7.0 or later.
$399 retail
Global Village Communication, Inc.; 685 E. Middlefield Rd., Bldg. B; Mountain View, CA 94043; 415-390-8200, 800-736-4821 or 415-390-8282 (fax)

ProModem 144e And 24e
14,400 and 2400 bps modems with 14,400 and 9600 bps send/receive fax, respectively
Macintosh Plus or larger; hard disk drive; System 6.0.5 or later.
$349 retail; ProModem 144e
$159 retail; ProModem 24e
Prometheus Products, Inc.; 9524 SW Tualatin Sherwood Rd.; Tualatin, OR 97062; 503-692-9600, 800-477-3473 or 503-691-1101 (fax)

ProModem 144i For PowerBook
14,400 bps data modem with 14,400 bps send/receive fax
Macintosh PowerBook 100 through 180; System 7.0 or later.
$349 retail
Prometheus Products, Inc.; 9524 SW Tualatin Sherwood Rd.; Tualatin, OR 97062; 503-692-9600, 800-477-3473 or 503-691-1101 (fax)

SmartLink 9624S, 9624SV, 9624PS, 1414AV, 1414PR
Send/receive fax modems
Any Macintosh.
$169 to $479 retail
Archtek America Corp.; 18549 E. Gale Ave.; City of Industry, CA 91748; 818-912-9800 or 818-912-9700 (fax)

Spectra Com
Fax modems
Macintosh Plus or larger; 1 MB of RAM; System 6.0.2 or later.
$349 retail; Spectra Com 1414VP (14.4K data and 14.4K fax)
$199 retail; Spectra Com 1414p (14.4K data and 14.4K fax)
$99 retail; Spectra Com 9624p (9600/4800 fax and 2400 data)
$99 retail; Spectra Com 9642 (9600 fax and 2400 data)
$99 retail; Spectra Com PowerBook i (9600/4800 fax and 2400 data)
$199 retail; Spectra Com 1414iPB (14.4K data and 14.4K fax)
Bay Connection; PO Box 610068; San Jose, CA 95161; 408-270-8070, 800-475-8329 or 408-270-0698 (fax)

Sportster 14.4 And 2400 Mac&Fax
Fax modems
Macintosh Plus or larger.
$279 retail; Sportster 14.4 Mac&Fax
$199 retail; Sportster 2400 Mac&Fax
U.S. Robotics, Inc.; 8100 N. McCormick Blvd.; Skokie, IL 60076; 708-982-5001, 800-342-5877 or 708-982-5235 (fax)

SupraFaxModem 144LC
14,400 bps fax/data modem
Macintosh Plus or larger.
$189.95 retail
Supra Corp.; 501 SE Columbia Shores Blvd.; Vancouver, WA 98661; 206-905-1401, 800-727-8772 or 206-905-1400 (fax)

SupraFaxModem 144PB
Send/receive fax and data modems
Macintosh PowerBook 100 through 180.
$299.95 retail
Supra Corp.; 501 SE Columbia Shores Blvd.; Vancouver, WA 98661; 206-905-1401, 800-727-8772 or 206-905-1400 (fax)

SupraFaxModem V.32bis
Send/receive fax and data modems
Macintosh Plus or larger.
$249.95 retail

Supra Corp.; 501 SE Columbia Shores Blvd.; Vancouver, WA 98661; 206-905-1401, 800-727-8772 or 206-905-1400 (fax)

TelePort Bronze II
9600 bps send/4800 bps receive fax and 2400 bps modem
Macintosh with ADB; System 6.0.7 or later.
$109 retail
Global Village Communication, Inc.; 685 E. Middlefield Rd., Bldg. B; Mountain View, CA 94043; 415-390-8200, 800-736-4821 or 415-390-8282 (fax)

TelePort Series
External fax/data modems
Macintosh Plus or larger; System 6.0.7 or later.
$109 retail; TelePort/Bronze II (2400 bps)
$349 retail; TelePort/Silver (9600 bps)
$399 retail; TelePort/Gold (14,400 bps)
Global Village Communication, Inc.; 685 E. Middlefield Rd., Bldg. B; Mountain View, CA 94043; 415-390-8200, 800-736-4821 or 415-390-8282 (fax)

TelePort/Mercury
Data/fax modem
Macintosh Classic or larger; 4 MB of RAM; 2 MB of free hard disk space; System 6.0.7 or later.
$399 retail
Global Village Communication, Inc.; 685 E. Middlefield Rd., Bldg. B; Mountain View, CA 94043; 415-390-8200, 800-736-4821 or 415-390-8282 (fax)

Ultima Home Office
Integrated voice, 14,400 bps modem and 14,400 bps send/receive fax
Macintosh Plus or larger, including PowerBook; hard disk drive; System 6.0.7 or later.
$499 retail
Prometheus Products, Inc.; 9524 SW Tualatin Sherwood Rd.; Tualatin, OR 97062; 503-692-9600, 800-477-3473 or 503-691-1101 (fax)

WorldPort
Portable modems
Macintosh Plus or larger.
$159 to $595 retail
U.S. Robotics, Inc.; 8100 N. McCormick Blvd.; Skokie, IL 60076; 708-982-5001, 800-342-5877 or 708-982-5235 (fax)

WorldPort 14,400 Fax For The PowerBook
External fax/data modem
Macintosh Plus or larger, or any PowerBook.
$349 retail
U.S. Robotics, Inc.; 8100 N. McCormick Blvd.; Skokie, IL 60076; 708-982-5001, 800-342-5877 or 708-982-5235 (fax)

Hardware & Peripherals/Communications/File Servers

80486 Network File Server And Print Server
12ms hard disk; 16 MB RAM cache
Macintosh 512K or larger.
$6,900 retail; includes software
Infotek, Inc.; 56 Camille; E. Patchogue, NY 11772; 516-289-9682

Apple Workgroup Server
High-performance servers
Call for pricing; Apple Workgroup Server 60 8 MB Hard Disk 230 CPU
Call for pricing; Apple Workgroup Server 60 8 MB Hard Disk 500 CPU with CD-ROM
Call for pricing; Apple Workgroup Server 80 16 MB Hard Disk 1000 CPU with DAT drive
Call for pricing; Apple Workgroup Server 80 16 MB Hard Disk 1000 CPU with DAT drive and CD-ROM
Call for pricing; Apple Workgroup Server 95 16 MB Hard Disk 230 CPU
Call for pricing; Apple Workgroup Server 95 32 MB Hard Disk 2000 CPU with DAT drive
Call for pricing; Apple Workgroup Server 95 48 MB Hard Disk 230 and Hard Disk 1000 CPU DAT drive
Call for pricing; Apple Workgroup Server 95 48 MB Hard Disk 250 and Hard Disk 2000 CPU with DAT drive
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

■ **Apple Workgroup Server 6150, 8150, 9150**
PowerPC processor workgroup server products
Macintosh Power PC.
The Apple Workgroup Server 6150 is Apple's affordable, entry-level server system based on high-performance PowerPC RISC processor. It is ideal for small workgroups or as an additional server on an existing network of primarily Macintosh and Power Macintosh computers.
The Apple Workgroup Server 8150 is Apple's versatile midrange server system based on high-performance PowerPC RISC processor. It is ideal for workgroups that require multiple services at an attractive price. It can be used as a communications server for linking multiple AppleTalk internets and integrating Macintosh networks into a wide area network.
The Apple Workgroup Server 9150 is Apple's fastest and most expandable server system, offering extensive file, print and communications services for large workgroups. It is ideal for workgroups that have demanding file and print-sharing requirements or that work with large database applications.
Call for pricing; Workgroup Server 6150 8 MB Hard Disk 500 CPU with CD-ROM
Call for pricing; Workgroup Server 8150 8 MB Hard Disk 500 CPU with AppleShare 4.0.2 preinstalled
Call for pricing; Workgroup Server 8150 16 MB Hard Disk 1000 CPU with DAT drive and CD-ROM
Call for pricing; Workgroup Server 8150 16 MB Hard Disk 1000 CPU with DAT drive and CD-ROM with AppleShare 4.0.2 preinstalled
Call for pricing; Workgroup Server 9150 8 MB Hard Disk 2000 CPU with CD-ROM
Call for pricing; Workgroup Server 9150 16 MB with two Hard Disk 1000 CPU with DAT drive and CD-ROM
Call for pricing; Workgroup Server 9150 16 MB with two Hard Disk 1000 CPU with DAT drive and CD-ROM with AppleShare 4.0.2 preinstalled
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

dARTnet
Integrated file server and fiber-optic networking system
Macintosh NuBus; System 7.0 or later.
Call for pricing
Color Systems Support Group; 11865 IH10 West, Ste. 611; San Antonio, TX 78230; 210-691-8444, 800-448-8432 or 210-561-9788 (fax)

Jet Stream
Color image server
Macintosh with Ethernet support; LaserWriter 7.1.2 or later; System 6.0.5 or later.
$34,000 starting price retail
Management Graphics, Inc.; 1401 E. 79th St.; Minneapolis, MN 55425; 612-854-1220 or 612-851-6159 (fax)

Mac File Server
Connect up to 31 Macintoshes to a file server
Macintosh 512K or larger.
$1,800 to $4,900 retail
Infotek, Inc.; 56 Camille; E. Patchogue, NY 11772; 516-289-9682

Mac-Spool-Serve
File or database server and print spooler
Any Macintosh.
$4,995 retail; with 80 MB hard disk drive
$5,995 retail; with 400 MB hard disk drive
Infotek, Inc.; 56 Camille; E. Patchogue, NY 11772; 516-289-9682

Spectraserver/OPI
File server
Sun SPARCstation; 32 MB of RAM; 424 MB internal/669 MB external disk storage; Macintosh II or Quadra.
$12,000 starting price retail; add-on options available
Hyphen, Inc.; 181 Ballardvale St.; Wilmington, MA 01887; 508-988-0880, 800-388-0880 or 508-988-0879 (fax)

Velan Educational Network
Provides network support for a wide variety of personal computers and printers
Any Macintosh.
Call for pricing; varies with size and computer type
Velan, Inc.; 935 Fremont Ave.; Los Altos, CA 94024; 415-949-9150, 800-640-9150 or 415-949-9170 (fax)

Hardware & Peripherals/Communications/Macintosh To IBM Minis & Mainframes

Irma NuBus Coax Adapter
RAM-based Macintosh to IBM mainframe 3270 emulation hardware
Macintosh SE or larger.
$1,195 retail; hardware/software bundle
Digital Communications Associates, Inc. (DCA); 1000 Alderman Dr.; Alpharetta, GA 30202; 800-348-3221

Irma WorkStation For The IBM Mainframe
Allows Macintosh to function as a single- or multiple-session terminal in a 3270 IBM SNA mainframe network
Macintosh Plus or larger.
$425 retail; software upgrades available
Bundled at no extra charge with MacIrma 3270 coax hardware
Digital Communications Associates, Inc. (DCA); 1000 Alderman Dr.; Alpharetta, GA 30202; 800-348-3221

MacIrmatrac NuBus Token Ring Adapter
Token-ring adapter card
Macintosh NuBus.
$895 retail
Digital Communications Associates, Inc. (DCA); 1000 Alderman Dr.; Alpharetta, GA 30202; 800-348-3221

MacTwin
Point-to-point connection for Macintosh to IBM AS/400 or System/3X
Macintosh SE/30 or larger; System/Finder 6.0.3 or later; IBM AS/400 or System 36/38; optional host file transfer utility software.
$995 to $1,095 retail
Andrew Corp.; 4301 Westbank Dr., Ste. A-100; Austin, TX 78746; 512-314-3000, 800-531-5167 or 512-314-3195 (fax)

Menlo's Current Loop Converter
Connects RS-232 (EIA devices) to current loop connections on mainframe computer systems
Macintosh Plus or larger.
Call for pricing; quantity discounts available
Menlo Business Systems, Inc.; 201 Main St.; Los Altos, CA 94022; 415-948-7920 or 415-949-6655 (fax)

Ring Access
SNA migration path
Any Macintosh.
$2,950 retail
Advanced Computer Communications; 10261 Bubb Rd.; Cupertino, CA 95014; 408-864-0600, 800-444-7854 or 408-446-5234 (fax)

TCPAxcess
IBM 5250 emulation for Macintosh through a TCP/IP network
Macintosh Plus or larger; MacTCP software (included); System 6.0.5 or later; IBM AS/400 with Token Ring or Ethernet controller; IBM TCP/IP Connectivity Utilities/400; Version 2 release 1 mod 0 of IBM OS/400 or later.
$200 to $5,695 retail; depending on configuration
Andrew Corp.; 4301 Westbank Dr., Ste. A-100; Austin, TX 78746; 512-314-3000, 800-531-5167 or 512-314-3195 (fax)

TwinAxcess Series II And Series III
Protocol converters that provide local or remote dial-up communication to IBM AS/400 or System/3X
Macintosh Plus or larger.
$1,895 to $3,800 retail; TwinAxcess Series II
Optional expansion ports (2 through 7) available

These Products Available Through Bottom Line Distribution
1-800-347-1923

$1,295 retail; (single port only); TwinAxcess Series III $195 retail; Boxer software for the Macintosh
Andrew Corp.; 4301 Westbank Dr., Ste. A-100; Austin, TX 78746; 512-314-3000, 800-531-5167 or 512-314-3195 (fax)

Hardware & Peripherals/Communications/Modems

2400XMAC
2400/1200/300-bps modem
Macintosh Plus or larger.
$99 retail
Best Data Products, Inc.; 9304 Deering Ave.; Chatsworth, CA 91311; 818-773-9600, 800-632-2378 or 818-773-9619 (fax)

Allegro 8830
V.fast/V.32bis modem
Macintosh 512K or larger.
$1,295 retail
Telebit Corp.; One Executive Dr.; Chelmsford, MA 01824; 508-441-2181, 800-989-8888 or 508-441-9060 (fax)

Allegro 8840
V.fast/V.32bis/V.33 modem
Macintosh 512K or larger.
$1,295 retail
Telebit Corp.; One Executive Dr.; Chelmsford, MA 01824; 508-441-2181, 800-989-8888 or 508-441-9060 (fax)

NetModem V.32
V.32 modem that provides dial-in, dial-out and remote routing for AppleTalk networks
Macintosh Plus or larger; AppleTalk network.
$1,189 retail
Shiva Corp.; Northwest Park, 63 Third Ave.; Burlington, MA 01803; 617-270-8300, 800-458-3550 or 617-270-8599 (fax)

NetModem/E
V.32bis modem that provides dial-in, dial-out and remote routing for Novell NetWare and AppleTalk Ethernet networks
Macintosh Plus or larger.
$1,699 retail
Shiva Corp.; Northwest Park, 63 Third Ave.; Burlington, MA 01803; 617-270-8300, 800-458-3550 or 617-270-8599 (fax)

P2400XMAC
2400 bps modem and Prodigy start-up kit
Macintosh Plus or larger.
$99 retail
Best Data Products, Inc.; 9304 Deering Ave.; Chatsworth, CA 91311; 818-773-9600, 800-632-2378 or 818-773-9619 (fax)

QBlazer
External V.32 transportable modem
Macintosh 512K or larger.
$299 retail
Telebit Corp.; One Executive Dr.; Chelmsford, MA 01824; 508-441-2181, 800-989-8888 or 508-441-9060 (fax)

Racal-Datacom Modems
Modems
Any Macintosh.
$649 retail; RMD2412
$550 retail; RMD2412-2
$695 retail; VI2422PA
$749 retail; ALM 3223
$499 retail; ALM 3226
$1,195 retail; ALM 3239
Racal-Datacom; 1601 N. Harrison Pkwy.; Sunrise, FL 33323; 305-846-4811, 800-722-2555 or 305-846-5510 (fax)

SM-96 Desktop And SM-96H Internal Half-Card
9600 bps V.32 modems with V.42bis and MNP Class 5 data compression, V.42 and MNP Classes 2-4 error correction
Macintosh Plus or larger.
Call for pricing
GVC Technologies, Inc.; 376 Lafayette Rd.; Sparta, NJ 07850; 201-579-3630 or 201-579-2702 (fax)

SmartLink 2400U, 2400UM, 2400SV, 1496UM Modems
9600 and 2400/1200/300 bps modems
Any Macintosh.
$190 to $399 retail
Archtek America Corp.; 18549 E. Gale Ave.; City of Industry, CA 91748; 818-912-9800 or 818-912-9700 (fax)

Smartmodem 1200, 2400 And 9600
External modems
Any Macintosh.
$399 estimated retail; Smartmodem 1200
$399 estimated retail; Smartmodem 2400
$1,999 estimated retail; Smartmodem 9600
Hayes Microcomputer Products, Inc.; PO Box 105203; Atlanta, GA 30348; 404-441-1617 or 404-449-0087 (fax)

Smartmodem Optima 2400, 9600 And 14400
External modems
Any Macintosh.
$149 retail; Optima 24
$459 retail; Optima 96
$499 retail; Optima 144
Hayes Microcomputer Products, Inc.; PO Box 105203; Atlanta, GA 30348; 404-441-1617 or 404-449-0087 (fax)

Sportster Modems
Modems
Macintosh Plus or larger.
$129 retail; Sportster 2400
$149 retail; Sportster 2400 V.42bis/external
$199 retail; Sportster 9600
$229 retail; Sportster 14.4
$249 retail; Sportster 14.4 Fax
$209 retail; Sportster 9600 Fax
U.S. Robotics, Inc.; 8100 N. McCormick Blvd.; Skokie, IL 60076; 708-982-5001, 800-342-5877 or 708-982-5235 (fax)

SupraModem 2400
300/1200/2400-baud Hayes-compatible modem; external modem with MNP and V.42bis
Macintosh 512K or larger.
$99.95 retail
Supra Corp.; 501 SE Columbia Shores Blvd.; Vancouver, WA 98661; 206-905-1401, 800-727-8772 or 206-905-1400 (fax)

T3000
V.32bis modem
Macintosh 512K or larger.
$949 retail
Telebit Corp.; One Executive Dr.; Chelmsford, MA 01824; 508-441-2181, 800-989-8888 or 508-441-9060 (fax)

TrailBlazer Plus
Modem
Macintosh 512K or larger.
$849 retail
Telebit Corp.; One Executive Dr.; Chelmsford, MA 01824; 508-441-2181, 800-989-8888 or 508-441-9060 (fax)

V-series Smartmodem 9600
External modem
Any Macintosh.
$799 retail
Hayes Microcomputer Products, Inc.; PO Box 105203; Atlanta, GA 30348; 404-441-1617 or 404-449-0087 (fax)

V-series Ultra Smartmodem 14400 And 9600
External modems
Any Macintosh.
$999 retail; Ultra 144
$899 retail; Ultra 96
$949 retail; Ultra 96 with Smartcom II for the Macintosh, HayesConnect and V-series to Macintosh cable
Hayes Microcomputer Products, Inc.; PO Box 105203; Atlanta, GA 30348; 404-441-1617 or 404-449-0087 (fax)

V-series Ultra Smartmodem 2400 With Express 96 (Ultra 24 With Express 96)
External modem
Any Macintosh.
$599 retail
Hayes Microcomputer Products, Inc.; PO Box 105203; Atlanta, GA 30348; 404-441-1617 or 404-449-0087 (fax)

Visionary 2400XT
2400-baud, Hayes-compatible modem
Macintosh 512K or larger.
$495 retail; includes 8K RAM expandable to 4 MB
Visionary Electronics, Inc.; 141 Parker Ave.; San Francisco, CA 94118; 415-751-8811

WorldBlazer
V.32bis/Turbo PEP modem
Macintosh 512K or larger.
$1,049 retail
Telebit Corp.; One Executive Dr.; Chelmsford, MA 01824; 508-441-2181, 800-989-8888 or 508-441-9060 (fax)

Xpresso 8196A
V.32bis modem
Macintosh 512K or larger.
$825 retail
Telebit Corp.; One Executive Dr.; Chelmsford, MA 01824; 508-441-2181, 800-989-8888 or 508-441-9060 (fax)

Xpresso 8396A
V.32bis/V.33 modem
Macintosh 512K or larger.
$1,095 retail
Telebit Corp.; One Executive Dr.; Chelmsford, MA 01824; 508-441-2181, 800-989-8888 or 508-441-9060 (fax)

Zoom/Modem AMX 2400
2400-baud modem
Macintosh 512K or larger.
$89 retail; bundled with Microphone LT
$19 retail; serial cable
Zoom Telephonics, Inc.; 207 South St.; Boston, MA 02111; 617-423-1072 or 800-631-3116

Hardware & Peripherals/Communications/MS-DOS Products

DaynaFile II
SCSI floppy disk drive providing IBM file compatibility for Macintosh computers
Macintosh with a SCSI port.
$525 retail; single drive
$785 retail; dual drive
Dayna Communications; Sorenson Research Park; 849 W. Levoy Dr.; Salt Lake City, UT 84123; 801-269-7200 or 801-269-7363 (fax)

DL2000 And DL/2
LocalTalk adapter cards
IBM PC, XT, AT, PS/2 Models 25, 30 or compatibles; LocalTalk or PhoneNET connector box (DB9); LocalTalk, PhoneNET or compatible cables.
$249 retail; DL2000
$339 retail; DL/2
Dayna Communications; Sorenson Research Park; 849 W. Levoy Dr.; Salt Lake City, UT 84123; 801-269-7200 or 801-269-7363 (fax)

■ **OrangePC Series 200**
MS-DOS coprocessor
Macintosh with NuBus; color monitor; System 7.0 or later; FDHD SuperDrive.
Orange Micro's Orange PC Series 200 is its newest generation of OrangePC MS-DOS coprocessors for running DOS/Windows programs on the Macintosh. The NuBus card is powered by a user selection of Intel 486 processors up to the DX 2/66. Additional features

include up to 64 MB of on-board RAM, Super VGA graphics, file sharing, printing to the network printer and cut and paste between the Mac and PC environments. Optional features include serial and parallel ports and a PCMCIA slot for PC network connections.
$999 and up retail
Orange Micro, Inc.; 1400 N. Lakeview Ave.; Anaheim, CA 92807; 714-779-2772 or 714-779-9332 (fax)

Sitka FlashCard
Network interface card that allows PCs to communicate with other PCs and Macintosh computers using simple twisted-pair cabling
IBM PC or compatible; Sitka TeleConnector or compatible network connector.
$239 retail; per PC
Sitka Corp.; 950 Marina Village Pkwy.; Alameda, CA 94501; 510-769-9669, 800-445-8677 or 510-769-8771 (fax)

Hardware & Peripherals/Communications/Network Accessories

AAUI Transceiver Series
Apple AUI Ethernet transceivers
Macintosh Plus or larger.
$55 retail
$79 retail; combo
Sonic Systems, Inc.; 1150 Kifer Rd., #201; Sunnyvale, CA 94086; 408-736-1900, 800-535-0725 or 408-736-7228 (fax)

Amphenol Single Post Ethernet Cap
Allows the use of a single drop cable from the bus to the transceiver
Ethernet 10Base-2 thinnet.
Call for pricing
Amphenol Interconnect Products; 20 Valley St.; Endicott, NY 13760; 607-754-4444 or 607-786-4311 (fax)

Apple Ethernet Cabling System
Provides a connection from the Ethernet NB and LC Cards to Ethernet cabling environments
Macintosh II family.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Apple LocalTalk Cabling System
Local area network
Macintosh Plus or larger.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

APT Dial Server
Multiport AppleTalk Remote Access server
Macintosh Plus or larger.
The APT Dial Server (Model DS3) is a multiport ARA server that connects up to three remote Macintosh or PowerBook users to an EtherTalk network via dial-up modem connections, and lets them access authorized AppleTalk or TCP/IP resources as through connected directly to the LAN. The DS3 can connect to any modem supported by ARA (or that has an ARA-compatible CCL script available). Each port can operate up to 57.6 Kbaud, supporting today's V.32 and V.32bis modems, and future 28.8 Kbaud V.FAST modems. DS3 servers support standard ARA userID, password and callback security features. Its advanced security features let users define user groups with different access privileges for each group. Users can restrict users in each group to specific zones, networks or even individual devices. The APT Dial Manager (included) lets users manage a group of DS3 servers as a single virtual server from a single Macintosh computer on a LAN (or through a dial-in connection).
$1,695 retail
APT Communications, Inc.; 9607 Dr. Perry Rd.; Ijamsville, MD 21754; 301-831-1182 or 301-874-5255 (fax)

Asanté 10T Hub
10Base-T Ethernet hub
Any Macintosh.
$369 retail; 10T Hub/8
$739 retail; 10T Hub/12
Asanté Technologies, Inc.; 821 Fox Ln.; San Jose, CA 95131; 408-435-8388, 800-662-9686 or 408-432-7511 (fax)

Asanté Mini EN/SC And Mini EN/SC-10T
SCSI to Ethernet adapter
Macintosh Plus or larger.
$413 and $332 retail
Asanté Technologies, Inc.; 821 Fox Ln.; San Jose, CA 95131; 408-435-8388, 800-662-9686 or 408-432-7511 (fax)

Asanté NetExtender Hubs
Portable Ethernet hubs for creating and expanding 10Base-T networks
Macintosh with an AUI or AAUI port.
$239 retail
Asanté Technologies, Inc.; 821 Fox Ln.; San Jose, CA 95131; 408-435-8388, 800-662-9686 or 408-432-7511 (fax)

Asanté NetStacker Hubs
Stackable, modular Ethernet concentrator chassis, network management module, multiport repeater modules and bridge module
Any Macintosh.
$2,399 retail; NetStacker base hub with 24 10Base-T ports (RJ-45 or RJ-21) and NetStacker Network Management Module Lite
$1,699 retail; NetStacker base hub with 24 10Base-T ports (RJ-45)
$300 retail; NetStacker base chassis
$250 retail; NetStacker expansion chassis
$950 retail; NetStacker Network Management Module Lite
$1,149 retail; Network Management Module
Asanté Technologies, Inc.; 821 Fox Ln.; San Jose, CA 95131; 408-435-8388, 800-662-9686 or 408-432-7511 (fax)

AsantéHub 1012
Intelligent 10Base-T hub with full-featured network management software
Macintosh LC, IIci or IIsi; 4 MB of RAM; System 7.
$1,299 retail; AsantéHub 1012
$1,499 retail; AsantéHub 1012 with SNMP module
$1,999 retail; AsantéHub 1012 with AsantéView in-band and out-of-band software and one SNMP agent
Asanté Technologies, Inc.; 821 Fox Ln.; San Jose, CA 95131; 408-435-8388, 800-662-9686 or 408-432-7511 (fax)

AsantéHub 2072
Intelligent Ethernet concentrator chassis, network management module, multiport repeater modules, MAUs
Any Macintosh.
$5,046 retail; preconfigured 2072 system/chassis, Network Management Module, RJ-45 or RJ-21 (48 ports)
$1,099 retail; seven slot concentrator chassis
$1,149 retail; Network Management Module
$1,399 retail; 10Base-T host multiport repeater module with 24 RJ-45 connectors
$819 retail; 10Base-T host multiport repeater module with 12 RJ-45 connectors
$1,399 retail; 10Base-T host multiport repeater module with RJ-21 connector supporting 24 connections
$819 retail; 10Base-T host multiport repeater module with RJ-21 connector supporting 12 connections
$999 retail; 10Base-2 host multiport repeater module with 10 BNC connectors
$2,849 retail; 10Base-F host multiport repeater module with 12 ST connections
$1,499 retail; 10Base-F host multiport repeater module with six ST connections
Asanté Technologies, Inc.; 821 Fox Ln.; San Jose, CA 95131; 408-435-8388, 800-662-9686 or 408-432-7511 (fax)

AsantéPrint/AsantéPrint 8
EtherTalk to LocalTalk converter; connects up to two or eight LocalTalk printers or other devices to Ethernet
Any Macintosh.
$458 retail; Asanté Print
$521 retail; Asanté Print 8
Asanté Technologies, Inc.; 821 Fox Ln.; San Jose, CA 95131; 408-435-8388, 800-662-9686 or 408-432-7511 (fax)

AT-Tester
LocalTalk network cable tester
LocalTalk network.
$79 retail
AESP, Inc.; 1810 NE 144th St.; N. Miami Beach, FL 33181; 305-944-7710, 800-446-2377 or 305-652-8489 (fax)

BNC-Net
Network enhancer
Any Macintosh.
$50 retail
Electronic Specialists, Inc.; 171 S. Main St.; Natick, MA 01760; 508-655-1532

Coactive Connector
Allows sharing of documents and printers among DOS, Windows and Macintosh computers
Macintosh Plus or larger.
$399.95 retail; Coactive Connector Starter Kit for two PCs
$199.95 retail; Coactive Connector for DOS/Windows (one)
$49.95 retail; Coactive Connector for Macintosh (one)
Coactive Computing Corp.; 1301 Shoreway Rd., Ste. 221; Belmont, CA 94002; 415-802-1080, 800-825-2638 (orders) or 415-593-9304 (fax)

CompuNet Connectors
AppleTalk/PhoneNET equivalent
Macintosh 512K or larger.
$10 retail
Trimar USA, Inc.; 300 Paterson Plank Rd. E; E. Rutherford, NJ 07073; 201-933-0199, 800-872-4454 or 201-933-2371 (fax)

CompuTalk Plus
Allows three to five LocalTalk computers or printers to be connected together to form an AppleTalk Network System
Macintosh Plus or larger.
$179 retail; three positions
$209 retail; four positions
$249 retail; five positions
AESP, Inc.; 1810 NE 144th St.; N. Miami Beach, FL 33181; 305-944-7710, 800-446-2377 or 305-652-8489 (fax)

DaynaPort EasyNet & EasyNet-T
External transceivers
Macintosh or device with Apple Ethernet port including Power Macintosh; Ethernet network.
$69 retail; DaynaPort
Dayna Communications; Sorenson Research Park; 849 W. Levoy Dr.; Salt Lake City, UT 84123; 801-269-7200 or 801-269-7363 (fax)

■ **DaynaStar MiniHub-5**
Small, lightweight hub
Any Macintosh; 10Base-T cabling for each device attached.
DaynaStar MiniHub-5 is a small, lightweight hub with five RJ-45 ports. A true network hub, the MiniHub-5 connects devices in a star topology, not a daisy chain. Users can connect and disconnect cables freely, without bringing down the network. No management software is needed with the MiniHub-5 — users just plug and play. Five link status lights give automatic feedback on network connections to make troubleshooting easy.
$195 retail

Dayna Communications; Sorenson Research Park; 849 W. Levoy Dr.; Salt Lake City, UT 84123; 801-269-7200 or 801-269-7363 (fax)

■ **DaynaStar Stack-12**
12-port stackable hub
10Base-T Ethernet network.
The DaynaStar Stack-12 is a flexible 12-port stackable hub that supports a slide-in SNMP management module. The Stack-12 provides 14 active ports. Twelve RJ-45 ports allow 10Base-T Ethernet connections, an AUI port gives access to thick Ethernet and optional Transceiver modules allow connections to thin Ethernet or fiber-optic backbone. The Stack-12 allows users to stack up to four hubs together as one logical repeater for the network. Users can also add SNMP management at any time using the DaynaStar Stack Management Module. This slide-in module provides management for the entire stack of up to four hubs.
$849 retail
Dayna Communications; Sorenson Research Park; 849 W. Levoy Dr.; Salt Lake City, UT 84123; 801-269-7200 or 801-269-7363 (fax)

■ **DaynaStar Stack-24**
24-port stackable hub
10Base-T Ethernet network.
The DaynaStar Stack-24 is a flexible 24-port stackable hub that supports a slide-in SNMP management module. The Stack-24 provides 26 active ports. Twenty-four RJ-45 ports allows users to connect network devices over 10Base-T Ethernet wiring. A built-in AUI port gives users access to thick Ethernet and an optional Transceiver Module allows connection to thin Ethernet or fiber-optic backbone. SNMP management can be added to the Stack-24 at anytime using the DaynaStar Stack Management module. This slide-in module provides management for the entire stack of up to four hubs.
$1,499 retail
Dayna Communications; Sorenson Research Park; 849 W. Levoy Dr.; Salt Lake City, UT 84123; 801-269-7200 or 801-269-7363 (fax)

The Diskless Mac
Allows Macintosh computers on an Ethernet network to act as diskless workstations
Macintosh with 68020 or larger processor; PDS or NuBus slot; Ethernet network; System 6.0.4 or later.
$149 retail; TDM NuBus or LC
Sonic Systems, Inc.; 1150 Kifer Rd., #201; Sunnyvale, CA 94086; 408-736-1900, 800-535-0725 or 408-736-7228 (fax)

Dualnet
Permits 64 devices to work from one wall jack; uses AppleTalk software
Macintosh 512K or larger.
$59 retail
Infotek, Inc.; 56 Camille; E. Patchogue, NY 11772; 516-289-9682

Ether10-T StarController
Intelligent 12-port hub designed to regenerate and repeat Ethernet signals over two pairs of unshielded twisted-pair wiring
Macintosh Plus or larger.
$1,599 retail
$1,399 retail; concentrator module
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

Ether10-T StarController/557
Intelligent 12-port 10Base-T Ethernet hub
Macintosh Plus or larger.
$1,799 retail
$1,599 retail; concentrator-ready module
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

Ether10-T Starlet
Nine-port 10Base-T hub
Macintosh Plus or larger.
$307 retail
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

Ether10-T Transceiver
Connects any Ethernet compatible device to 10Base-T Ethernet via a standard AUI port or an Apple Ethernet port
Macintosh Plus or larger.
$69 retail; AAUI Transceiver
$82 retail; AUI Transceiver
$669 retail; 10 pack AAUI Transceivers
$799 retail; 10 pack AUI Transceivers
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

EtherLAN Print And Print+
Allow Macintosh computers connected on Ethernet networks to print to a LocalTalk-configured printer
Any Macintosh.
$279 to $399 retail
FOCUS Enhancements Inc.; 800 W. Cummings Park, Ste. 4500; Woburn, MA 01801; 617-938-8088, 800-538-8865 or 617-938-7741 (fax)

EtherWave LC Card
Daisy-chainable 10Base-T Ethernet product
Macintosh LC family, Color Classic, Performa 400/500 or Quadra 605.
$229 retail
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

EtherWave Mac/PowerBook Adapter
Daisy-chainable 10Base-T Ethernet product
Macintosh PowerBook or Macintosh without available expansion slots.
$379 retail
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

EtherWave NuBus Card
Daisy-chainable 10Base-T Ethernet product
Macintosh NuBus.
$229 retail
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

EtherWave Transceiver
Daisy-chainable 10Base-T Ethernet products
Macintosh with on-board Ethernet.
$129 retail
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

Farallon Concentrator
19-inch metal chassis that holds networking hardware
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$2,990 retail
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

FastSwitch 10
Switching hub
Any Macintosh capable of supporting a 10Base-T adapter.
$6,250 retail
Grand Junction Networks, Inc.; 47281 Bayside Pkwy.; Fremont, CA 94538; 510-252-0726, 800-747-3278 or 510-252-0915 (fax)

■ **FastSwitch 10/100**
Ethernet switching hub
Any Macintosh supporting 10Base-T adapter.
The FastSwitch 10/100 workgroup switch affordably provides switched 10 Mbps Ethernet for each user and 100 Mbps Fast Ethernet for servers. The hub's 100 percent Ethernet switch design offers a high-performance alternative to 10Base-T hubs, while perserving user investments in Ethernet technology and training. The 25 switched 10 Mbps Ethernet ports on the FastSwitch 10/100 provide private 10 Mbps connections to each client workstation. Two switched Ethernet ports provide higher bandwidth where it's needed most — to the servers. This relieves server bottlenecks and improves overall network performance. The unique ClearChannel architecture and highly integrated ASIC design provide unmatched Ethernet performance. With an aggregate forwarding bandwidth of 220 Mbps, the FastSwitch 10/100 delivers up to 22 times the effective throughput of a 10Base-T hub.
$7,950 retail
Grand Junction Networks, Inc.; 47281 Bayside Pkwy.; Fremont, CA 94538; 510-252-0726, 800-747-3278 or 510-252-0915 (fax)

■ **FastSwitch 10/100 AG**
Ethernet switching hub
Any Macintosh supporting a 10Base-T adapter.
Grand Junction's FastSwitch 10/100 AG is a stackable Ethernet switch that combines 10 Mbps node switching and Fast Ethernet to build high-performance networks of 10 to 200 users and up to eight servers across a 100 Mbps backbone. The FastSwitch 10/100 AG provides the ability to dedicate more throughput to individual users and servers for today's bandwidth-intensive applications. Twenty-four switched 10 Mbps ports, each supporting a single Ethernet address, provide private Ethernet connections to each attached workstation or node. An additional switched 10 Mbps Ethernet port can be used as a direct connection to the 10 Mbps corporate backbone or as a 25th private Ethernet port. The switched 100 Mbps Fast Ethernet port eliminates traditional server bottlenecks by providing a dedicated 100 Mbps path for simultaneous access by users to the server. And the four shared Fast Ethernet ports provide a 100 Mbps backbone for high-bandwidth connectivity to additional servers or to interconnect 10Base-T-compatible hubs.
$8,950 retail
Grand Junction Networks, Inc.; 47281 Bayside Pkwy.; Fremont, CA 94538; 510-252-0726, 800-747-3278 or 510-252-0915 (fax)

HubLite
Five-port twisted pair Ethernet hub
Any Macintosh using twisted pair Ethernet (IEEE 802.3).
$169 retail
Sonic Systems, Inc.; 1150 Kifer Rd., #201; Sunnyvale, CA 94086; 408-736-1900, 800-535-0725 or 408-736-7228 (fax)

HubWorks-8
10Base-T Ethernet hub
Any unshielded twisted-pair network using the IEEE 10Base-T standard.
$399 retail
TechWorks; 4030 Braker Ln. W, Ste. 350; Austin, TX 78759; 512-794-8533, 800-688-7466 or 512-794-8520 (fax)

HyperNet Connector
LocalTalk connector kits
Macintosh Plus or larger.
$19.95 retail
PCon; 2984 Calle de Las Flores; San Jose, CA 95148; 408-270-3200, 800-726-6462 or 408-274-4504 (fax)

Infotek 10Base-T Ethernet Networking Installers Kit
Network installers kit and network consulting
Macintosh Plus or larger.
$495 retail
Infotek, Inc.; 56 Camille; E. Patchogue, NY 11772; 516-289-9682

LanRover/E For AppleTalk Remote Access
Multiport AppleTalk Remote Access and TCP/IP server for Ethernet
Macintosh Plus or larger; AppleTalk Remote Access software; AppleTalk network.
$2,899 retail; LanRover/4E (four serial ports)
$3,999 retail; LanRover/8E (eight serial ports)
Shiva Corp.; Northwest Park, 63 Third Ave.; Burlington, MA 01803; 617-270-8300, 800-458-3550 or 617-270-8599 (fax)

LanRover/L
Single-port AppleTalk Remote Access server for LocalTalk
Macintosh Plus or larger; AppleTalk Remote Access software; AppleTalk network.
$699 retail
Shiva Corp.; Northwest Park, 63 Third Ave.; Burlington, MA 01803; 617-270-8300, 800-458-3550 or 617-270-8599 (fax)

■ **Lattis System 800**
10Base-T workgroup hubs
Macintosh II; Ethernet NB or LC card or equivalent.
SynOptics' Lattis System 800 10Base-T workgroup hubs deliver high-quality solutions for small, low-density 10Base-T environments at a very low price. The Model 800 and Model 810M incorporate eight RJ-45 10-Base-T ports and one AUI port packaged in a sleek, compact design. The Model 800 is a simple, cost-effective solution for small, stand-alone 10Base-T Ethernet networks. It is truly a plug-and-play solution, with a full complement of hub and port-level LEDs that can be used for at-a-glance network monitoring and status determination. The Model 810M adds the benefits of SNMP-based monitoring and control for low-density 10Base-T segments.
$399 retail; Model 800
$799 retail; Model 810M
SynOptics Communications, Inc.; 4401 Great America Pkwy.; PO Box 58185; Santa Clara, CA 95052; 408-988-2400 or 408-988-5525 (fax)

LattisNet Model 518
10Base-T transceiver for Apple Ethernet
Macintosh II; Ethernet NB or LC card or equivalent.
$135 retail
SynOptics Communications, Inc.; 4401 Great America Pkwy.; PO Box 58185; Santa Clara, CA 95052; 408-988-2400 or 408-988-5525 (fax)

LattisNet System 2000
Workgroup concentrators/hubs
Ethernet and Token Ring environments.
$995 to $5,995 retail
SynOptics Communications, Inc.; 4401 Great America Pkwy.; PO Box 58185; Santa Clara, CA 95052; 408-988-2400 or 408-988-5525 (fax)

LeafNet
Local area network
Macintosh IIx or larger; 8 MB of RAM; System 6.0.7 or later.
$1,800 retail
Leaf Systems; 250 Turnpike Rd.; Southboro, MA 01772; 508-460-8300, 508-460-8304 (fax)800-685-9462 (Scitex America Corp.)

LinkStar 8
Star concentrator active HUB
Any Macintosh.
$995 retail
Thor Manufacturing; PO Box 10108; Reno, NV 89510; 702-324-6600 or 800-346-4694

Locking CompuTalk Kits: AT-1L, AT-2L
Allow a computer or printer on LocalTalk to be connected to an AppleTalk network
Macintosh Plus or larger.
$75 each retail
AESP, Inc.; 1810 NE 144th St.; N. Miami Beach, FL 33181; 305-944-7710, 800-446-2377 or 305-652-8489 (fax)

MaCNet 4000ERP-01 And 4000ERP-02
Ethernet multimedia repeater
Macintosh II.
$695 retail; 4000ERP-01
$995 retail; 4000ERP-02
MaCNet; 2199 Zanker Rd.; San Jose, CA 95131; 408-954-8000, 800-486-2638 or 408-954-8866 (fax)

MaCNet 8CON-8800 And 12CON-8000
8- and 12-port 10Base-T concentrators
Macintosh II.
$395 retail; 8CON-8800
$795 retail; 12CON-8000
MaCNet; 2199 Zanker Rd.; San Jose, CA 95131; 408-954-8000, 800-486-2638 or 408-954-8866 (fax)

MaCNet AAUI-2 And AAUI-T
Apple transceivers for Ethernet-ready Macintosh computers
Macintosh Centris or larger.
$89 retail
MaCNet; 2199 Zanker Rd.; San Jose, CA 95131; 408-954-8000, 800-486-2638 or 408-954-8866 (fax)

■ **MacTrans-10T Transceiver**
10Base-T transceiver
Apple 14-pin AUI connector to Macintosh built-in thick Ethernet interface card; RJ-45 modular jack to 10Base-T Ethernet.
MacTransceiver is a 10Base-T transceiver that is designed to connect any built-in Apple Ethernet cards with Apple AUI (AAUI) connectors to a 10Base-T Ethernet network. The transceiver simply converts signals from the Apple AUI (AAUI) Ethernet to a suitable form for transmission over Unshielded Twisted-Pair (UTP) wires to a Unicom 10Base-T hub or similar hub. This modular access to Ethernet offers users high-performance networking with advantages in both ease of use and affordability. MacTrans-10T does not require external power and includes LED lights to simplify troubleshooting.
$69 retail
Unicom Electric, Inc.; 11980 Telegraph Rd., Ste. 103; Santa Fe Springs, CA 90670; 310-946-9650, 800-346-6668 or 310-946-9167 (fax)
FAX©NDEMAND 1-800-872-3293 **130**

■ **MacTrans-2/5 Transceiver**
10Base-2/5 transceiver
Apple 14-pin AUI connector to Macintosh built-in thick Ethernet interface card; BNC connector to thin Ethernet.
MacTrans-2/5 is a 10Base-2/5 transceiver designed to connect built-in Apple Ethernet cards with AAUI connectors to a thin Ethernet network. The transceiver simply converts signals for the Apple AUI (AAUI) Ethernet to a suitable form for transmission over thin Ethernet coaxial cable to each workstation. With MacTrans-2/5, there is no need to use expensive propriety Apple coaxial cables; simply use standard coaxial (BNC) cable. This modular access to Ethernet offers users high-performance networking with advantages in both ease of use and affordability. MacTrans-2/5 Transceiver does not require external power and includes a power LED light to simplify troubleshooting.
$69 retail
Unicom Electric, Inc.; 11980 Telegraph Rd., Ste. 103; Santa Fe Springs, CA 90670; 310-946-9650, 800-346-6668 or 310-946-9167 (fax)

MAUI Transceiver Series
Two-port Ethernet AUI/AAUI transceivers
Macintosh Plus or larger.
$99 retail
Sonic Systems, Inc.; 1150 Kifer Rd., #201; Sunnyvale, CA 94086; 408-736-1900, 800-535-0725 or 408-736-7228 (fax)

MH Hubs
10 Mbps Ethernet hub
Any Macintosh.
$499 to $899 retail
Tut Systems; 2446 Estand Way; Pleasant Hill, CA 94523; 510-682-6510, 800-998-4888 or 510-682-4125 (fax)

■ **Micro EN/SC**
SCSI to Ethernet adapter
Macintosh PowerBook.
The Micro EN/SC, designed specifically for the mobile PowerBook user, is a small, portable SCSI Ethernet adapter. Because it plugs directly into the PowerBook's HDI-30 SCSI port and draws power from the ADB port, no additional SCSI cable or power adapter is required. Measuring a mere 3 by 2.5 by 1 inches and weighs less than four ounces, the Micro EN/SC provides maximum convenience and portability.
$369 retail; Micro EN/SC with thin/10Base-T connection
$299 retail; Micro EN/SC with 10Base-T connection
Asanté Technologies, Inc.; 821 Fox Ln.; San Jose, CA 95131; 408-435-8388, 800-662-9686 or 408-432-7511 (fax)

MixNet 448
Interface node
Any Macintosh.
$39 retail
Thor Manufacturing; PO Box 10108; Reno, NV 89510; 702-324-6600 or 800-346-4694

MixNet 8884
Allows users to mix a business phone system and computer network over a single cable
Any Macintosh.
$49 retail
Thor Manufacturing; PO Box 10108; Reno, NV 89510; 702-324-6600 or 800-346-4694

MixNet Repeater
Extends the maximum length of cable in a network
Any Macintosh.
$149 retail
Thor Manufacturing; PO Box 10108; Reno, NV 89510; 702-324-6600 or 800-346-4694

ModuNet II
AppleTalk-compatible network connectors
Macintosh Plus or larger.
$24.95 retail; Model M8EZ (8-pin mini DIN connector)
$27.95 retail; Model M9EZ (9-pin DB connector)
ORA Electronics; 9410 Owensmouth Ave.; Chatsworth, CA 91311; 818-772-2700

ModuNet II Starter Kit, Model M8EZ3
AppleTalk-compatible network starter kit
Macintosh Plus or larger.
$64.95 retail
ORA Electronics; 9410 Owensmouth Ave.; Chatsworth, CA 91311; 818-772-2700

ModuNet Laptop Connector
8-pin mini DIN connector, 7 feet of telephone cabling
Macintosh PowerBook.
$17.95 retail; Model MEZ
ORA Electronics; 9410 Owensmouth Ave.; Chatsworth, CA 91311; 818-772-2700

MultiGate Hub
Intelligent FOIRL fiber optic hub
Any Ethernet device.
$3,395 to $6,595 retail; 4-, 8- or 12-port hub
Network Resources Corp.; 61 E. Daggett Dr.; San Jose, CA 95134; 408-383-9300

MultiGate Hub 1+
Intelligent 10Base-T or 10Base-2 hubs
Any Ethernet-capable device.
$1,995 to $3,995 retail; 10Base-T (12-port or 24-port hub)
Network Resources Corp.; 61 E. Daggett Dr.; San Jose, CA 95134; 408-383-9300

MultiGate Hub 2
Intelligent 10Base-T internetworking hub
Any Ethernet device.
$5,495 to $11,995 retail
Network Resources Corp.; 61 E. Daggett Dr.; San Jose, CA 95134; 408-383-9300

MultiGate Patch24
24-port RJ-45 patch panel
Any 10Base-T Ethernet device.
$295 retail
Network Resources Corp.; 61 E. Daggett Dr.; San Jose, CA 95134; 408-383-9300

■ **NetDock**
Ethernet adapter
Macintosh PowerBook Duo.
Asanté's NetDock connects Macintosh Duos to a high-speed Ethernet network. Measuring 5 by 2 by 1 inches and not requiring a power supply, it is as portable as the Duo. Attaching directly to the Duo's PDS expansion slot and featuring a RJ-45 port, the NetDock lets users quickly and easily connect their Duo to a 10Base-T Ethernet network wherever and whenever necessary. The NetDock also features an ADB port for connecting a full-sized mouse, keyboard or other ADB peripheral.
$259 retail

These Products Available Through Bottom Line Distribution
1-800-347-1923

Asanté Technologies, Inc.; 821 Fox Ln.; San Jose, CA 95131; 408-435-8388, 800-662-9686 or 408-432-7511 (fax)

NeuNet
Networking
Any Macintosh.
£25 retail
Neutral Ltd.; 633 High Rd.; Seven Kings, Ilford; Essex, England 1G3 8RA; 44-81-599-9902 or 44-81-590-6365 (fax)

NeuNet Daisy Chain Connector
Networking
Any Macintosh.
£25 retail
Neutral Ltd.; 633 High Rd.; Seven Kings, Ilford; Essex, England 1G3 8RA; 44-81-599-9902 or 44-81-590-6365 (fax)

NRC MAU1000
10Base-T transceiver
Any Ethernet AUI port.
$145 retail
Network Resources Corp.; 61 E. Daggett Dr.; San Jose, CA 95134; 408-383-9300

PhoneNET Connector
Allows AppleTalk computers and devices to share peripherals and exchange information over new or existing telephone wire
Macintosh 512K or larger.
$36.99 retail; Mini DIN-8
$36.99 retail; DB-9
$249 retail; 10-pack Mini DIN-8
$999 retail; 50-pack Mini DIN-8
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

PhoneNET StarConnector
Allows users to construct AppleTalk networks using installed telephone wiring
Macintosh Plus or larger.
$17.99 retail
$159 retail; 10-pack
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

PhoneNET StarController
Extended management hubs to build larger, reliable networks that are more easily managed
Macintosh Plus or larger; 1 MB of RAM.
$1,295 ($1,195 concentrator module) retail; 12-port
$1,895 ($1,795 concentrator module) retail; 24-port
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

■ Planet-ISDN
Communications board
Macintosh II or Quadra family.
Planet-ISDN is a communications board that connects a Macintosh to the ISDN (Integrated Services Digital Network). Worldwide features provided by Planet-ISDN can be used for a wide range of applications, such as very high-speed data transfers (pictures, sounds and text), connection to remote LANs, multiple access communication servers, video conference and more. Working as a background task, Planet-ISDN Phone is telephony software for management of incoming and outgoing voice calls on the second B channel. Functions of the Planet-ISDN board include B.R.I.; management of ISDN services; call presentation and identification, user-to-user; independent and simultaneous management of two B channels at 64 Kbits/sec; management of one to eight boards in the same Macintosh; NuBus interface or interface through serial port; and HDLC mode at 64 Kbits/sec with throughput adaptation to 56 Kbits/sec.
$1,849 retail
XBR Communications Inc.; 5253 Décarie Blvd., Ste. 550; Montreal, Quebec, Canada H3W 3C3; 514-489-1001 or 514-489-4966 (fax)

Quicknet
AppleTalk-compatible networking system
Macintosh 512K or larger.
$45 per node retail
Infotek, Inc.; 56 Camille; E. Patchogue, NY 11772; 516-289-9682

■ Series 3000CB
Remote Ethernet bridge
Any Macintosh.
The Series 3000CB is a remote Ethernet bridge that provides for an average of 4:1 data compression at link speeds up to 64 KB/sec, offering redundant link with auto-restoral ensures for continuous WAN connectivity. Frame Relay, SNMP network management/diagnostics and WAN traffic customization are standard features.
$4,000 retail
Telco Systems, Inc.; 63 Nahatan St.; Norwood, MA 02062; 617-255-9400 or 617-255-5885 (fax)

Series 3000HCB
Remote Ethernet bridge
Any Macintosh.
$7,000 retail
Telco Systems, Inc.; 63 Nahatan St.; Norwood, MA 02062; 617-255-9400 or 617-255-5885 (fax)

Series 4000CB-2
Multiport compression bridge
Any Macintosh.
$6,000 to $8,000 retail; two-port to four-port
Telco Systems, Inc.; 63 Nahatan St.; Norwood, MA 02062; 617-255-9400 or 617-255-5885 (fax)

Series 5000
LAN/WAN optimizer
Any Macintosh.
$4,900 to $8,400 retail; single channel to dual channel
Telco Systems, Inc.; 63 Nahatan St.; Norwood, MA 02062; 617-255-9400 or 617-255-5885 (fax)

Silver Streak Connector
10 Mbps Ethernet networking
Any Macintosh.
$99 retail; Silver Streak Connector
$199 retail; Silver Streak LC Solution (for Macs with an internal PDS slot)
$199 retail; Silver Streak NuBus Solution (for Macs with an internal NuBus slot)
$349 retail; Silver Streak SCSI Connector (for PowerBooks and desktop Macs; receives power from the keyboard, eliminating the need for an external power supply)
Tut Systems; 2446 Estand Way; Pleasant Hill, CA 94523; 510-682-6510, 800-998-4888 or 510-682-4125 (fax)

Sitka TeleConnector
AppleTalk and FlashTalk-compatible connector
Macintosh 512K or larger; IBM PC computers.
$39.95 retail
Sitka Corp.; 950 Marina Village Pkwy.; Alameda, CA 94501; 510-769-9669, 800-445-8677 or 510-769-8771 (fax)

Smart Wall Plates
CompuTalk assemblies for in-wall installation
Macintosh Plus or larger.
$69 retail; AT-208L
$29 retail; AT-203L
$75 retail; LP-208L
AESP, Inc.; 1810 NE 144th St.; N. Miami Beach, FL 33181; 305-944-7710, 800-446-2377 or 305-652-8489 (fax)

StarBase T/9
10Base-T twisted pair hub
Any CPU using twisted pair Ethernet (IEEE 802.3).
$249 retail
Sonic Systems, Inc.; 1150 Kifer Rd., #201; Sunnyvale, CA 94086; 408-736-1900, 800-535-0725 or 408-736-7228 (fax)

TechNet Connectors
Telephone wire-based LocalTalk connector
Any Macintosh.
$24.99 retail; single user
$199 retail; 10 pack
$799 retail; 50 pack
TechWorks; 4030 Braker Ln. W, Ste. 350; Austin, TX 78759; 512-794-8533, 800-688-7466 or 512-794-8520 (fax)

TechStar
LocalTalk hub
Macintosh 512K or larger; LocalTalk connector.
$799 retail
TechWorks; 4030 Braker Ln. W, Ste. 350; Austin, TX 78759; 512-794-8533, 800-688-7466 or 512-794-8520 (fax)

TechWorks HubWorks-12 NuBus Kit
Plug-in Ethernet interface board, hub box, cables and software
Macintosh II NuBus; System 6.0.7 or later.
$749 retail; card
$679 retail; expansion card
TechWorks; 4030 Braker Ln. W, Ste. 350; Austin, TX 78759; 512-794-8533, 800-688-7466 or 512-794-8520 (fax)

Thin And Twisted Pair Ethernet Transceivers
Connects Macintoshes or peripherals to a thin or twisted pair Ethernet coax network
Macintosh II.
Call for pricing
Amphenol Interconnect Products; 20 Valley St.; Endicott, NY 13760; 607-754-4444 or 607-786-4311 (fax)

■ TribeHub/8
Ethernet hub
10Base-T Ethernet.
TribeHub/8 has eight RJ-45 ports and one BNC port. The hub is complete with collision and activity LEDs, as well as link and receive status LEDs for Ethernet node diagnostics. TribeStar and TribeHub/8 provide a complete network solution for any organization migrating to Ethernet.
$249 retail
Tribe Computer Works; 960 Atlantic Ave., Ste. 101; Alameda, CA 94501; 510-814-3910, 800-778-7423 or 510-814-3980 (fax)

Trinet
Connects up to 96 devices on Quicknet
Macintosh 512K or larger.
$54 per node retail
Infotek, Inc.; 56 Camille; E. Patchogue, NY 11772; 516-289-9682

TurboNet DB9
Telephone-wire-based LocalTalk connector
Macintosh 512K or larger.
$14.99 retail
FOCUS Enhancements Inc.; 800 W. Cummings Park, Ste. 4500; Woburn, MA 01801; 617-938-8088, 800-538-8865 or 617-938-7741 (fax)

TurboNet ST din 8
Telephone wire-based LocalTalk connector with Distributed Signal Damping
Macintosh 512K or larger.
$14.99 retail
$119.99 retail; 10 pack
$499.99 retail; 50 pack
FOCUS Enhancements Inc.; 800 W. Cummings Park, Ste. 4500; Woburn, MA 01801; 617-938-8088, 800-538-8865 or 617-938-7741 (fax)

TurboStar
Automatic network management hub
LocalTalk network.
$474.99 retail
FOCUS Enhancements Inc.; 800 W. Cummings Park, Ste. 4500; Woburn, MA 01801; 617-938-8088, 800-538-8865 or 617-938-7741 (fax)

Velan LocalTalk Accelerator
Improves LocalTalk network performance
Dedicated Macintosh server with a built-in NuBus structure.
$895 retail
Velan, Inc.; 935 Fremont Ave.; Los Altos, CA 94024; 415-949-9150, 800-640-9150 or 415-949-9170 (fax)

Hardware & Peripherals/Communications/Network Interface Cards

Apple Ethernet LC And NB Cards
NuBus cards
Macintosh II family.
Call for pricing; transceiver required
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Apple Ethernet NB And LC Twisted-Pair Card
High-performance Ethernet card
Macintosh II or Quadra; one available NuBus slot; twisted-pair cabling; 10Base-T-compatible hub.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

ARC-Card
Macintosh-Arcnet interface adapters
Macintosh II, IIx or IIcx.
$495 to $895 retail; TC6842 ARC-Card/NB (Mac II, IIx or IIcx)
$445 to $845 retail; TC6843 ARC-Card/SE (Mac SE)
$495 to $895 retail; TC6844 ARC-Card/SE30 (Mac SE/30)
Price depends on media and topology
Thomas-Conrad Corp.; 1908-R Kramer Ln.; Austin, TX 78758; 800-332-8683

Asanté MacConi Ethernet Cards
For connecting Macintosh computers to all types of Ethernet media
Macintosh LC or NuBus.
$159 retail; MacConi for Macs with NuBus expansion slots, thick/thin
$149 retail; MacConi for Macs with NuBus expansion slots, thick/10Base-T
$229 retail; MacConi for Macs with NuBus expansion slots, thick/thin/10Base-T
$219 retail; MacConi for Macs with LC PDS slots, thin/10Base-T, FPU socket
$149 retail; MacConi for Macs with LC PDS slots, thin, FPU socket
$125 retail; MacConi for Macs with LC PDS slots, 10Base-T, FPU socket
Asanté Technologies, Inc.; 821 Fox Ln.; San Jose, CA 95131; 408-435-8388, 800-662-9686 or 408-432-7511 (fax)

BroadTalk Adaptor Board
Provides high-speed connectivity for distributed Mac II computers
Macintosh II; broadband cable.
$895 retail
Cactus Computer, Inc.; 1120 Metrocrest Dr., Ste. 103; Carrollton, TX 75006; 214-416-0525

Cabletron's E6000 And E9000 Series
Ethernet desktop network interface cards
Macintosh NuBus or LCBus.
Call for pricing
Cabletron Systems, Inc.; 35 Industrial Way; Rochester, NH 03867; 603-332-9400 or 603-337-1493 (fax)

Cabletron's F6000 Series
FDDI desktop network interface card
Macintosh II or Quadra.
Call for pricing
Cabletron Systems, Inc.; 35 Industrial Way; Rochester, NH 03867; 603-332-9400 or 603-337-1493 (fax)

CodeNet-8350/8352
Passive fiber optic Ethernet adapter
Macintosh II.
$595 retail; CodeNet 8350
$795 retail; CodeNet 8352
Codenoll Technology Corp.; 1086 N. Broadway; Yonkers, NY 10701; 914-965-6300 or 914-965-9811 (fax)

CodeNet-8351
Fiber optic Ethernet adapter
Macintosh II.
$595 retail
Codenoll Technology Corp.; 1086 N. Broadway; Yonkers, NY 10701; 914-965-6300 or 914-965-9811 (fax)

CodeNet-9450/9453
Singlemode NuBus/FDDI SAS and DAS network adapters
Macintosh II or Quadra; one NuBus slot; System 7.0 or later.
$6,745 retail; CodeNet 9450
$7,495 retail; CodeNet 9453
Codenoll Technology Corp.; 1086 N. Broadway; Yonkers, NY 10701; 914-965-6300 or 914-965-9811 (fax)

CodeNet-9550/9553/9554
NuBus/FDDI SAS and DAS network adapters
Macintosh II or Quadra; one NuBus slot; System 7.0 or later.
$2,745 retail; CodeNet-9550/9553
$3,495 retail; CodeNet-9554
Codenoll Technology Corp.; 1086 N. Broadway; Yonkers, NY 10701; 914-965-6300 or 914-965-9811 (fax)

CodeNet-9750
NuBus/SDDI SAS network adapters
Macintosh II or Quadra.
$1,995 retail
Codenoll Technology Corp.; 1086 N. Broadway; Yonkers, NY 10701; 914-965-6300 or 914-965-9811 (fax)

CodeNet-9850
Twisted-pair NuBus network adapters
Macintosh II or Quadra.
$1,795 retail
Codenoll Technology Corp.; 1086 N. Broadway; Yonkers, NY 10701; 914-965-6300 or 914-965-9811 (fax)

DaynaPort E/Z
Ethernet external adapter
Macintosh Classic or larger.
$309 retail
Dayna Communications; Sorenson Research Park; 849 W. Levoy Dr.; Salt Lake City, UT 84123; 801-269-7200 or 801-269-7363 (fax)

DaynaPort Ethernet Adapter Cards
Network interface cards
Macintosh SE or larger; thick or thin Ethernet cable, 10Base-T, fiber-optic.
$129 to $209 retail
Dayna Communications; Sorenson Research Park; 849 W. Levoy Dr.; Salt Lake City, UT 84123; 801-269-7200 or 801-269-7363 (fax)

DaynaPort Pocket SCSI/Link
Portable Ethernet adapter
Any Macintosh with a SCSI port.
$299 retail; Pocket SCSI/Link-T
$369 retail; Pocket SCSI/Link-M
Dayna Communications; Sorenson Research Park; 849 W. Levoy Dr.; Salt Lake City, UT 84123; 801-269-7200 or 801-269-7363 (fax)

DaynaPort SCSI/Link
Ethernet external adapter
Macintosh Plus or larger.
$319 to $399 retail
Dayna Communications; Sorenson Research Park; 849 W. Levoy Dr.; Salt Lake City, UT 84123; 801-269-7200 or 801-269-7363 (fax)

DaynaStar Hub-24
24-port, rack-mountable hub for 10Base-T Ethernet networks
Any Macintosh; Ethernet interface for each device to be attached; 10Base-T cables for each device or 50-pin Telco-type connector.
$1,075 retail
Dayna Communications; Sorenson Research Park; 849 W. Levoy Dr.; Salt Lake City, UT 84123; 801-269-7200 or 801-269-7363 (fax)

DaynaStar MiniHub-8
8-port, transparent hub for connecting network devices using twisted-pair 10Base-T Ethernet wiring
Any Macintosh; Ethernet interface for each device to be attached; 10Base-T cables for each device to be attached.
$249 retail
Dayna Communications; Sorenson Research Park; 849 W. Levoy Dr.; Salt Lake City, UT 84123; 801-269-7200 or 801-269-7363 (fax)

Ether+ And Ether+ Twisted Pair
Macintosh/SCSI connection to Ethernet
Macintosh 512KE or larger.
$495 each retail
Compatible Systems Corp.; PO Drawer 17220; Boulder, CO 80308; 303-444-9532, 800-356-0283 or 303-444-9595 (fax)

EtherLAN
Three media and passthru slot Ethernet boards
Macintosh SE, SE/30, LC, IIsi or II family.
$74.99 to $169 retail; EtherLAN
$199.99 retail; EtherLAN 8-port Hub
FOCUS Enhancements Inc.; 800 W. Cummings Park, Ste. 4500; Woburn, MA 01801; 617-938-8088, 800-538-8865 or 617-938-7741 (fax)

EtherLAN SC
External SCSI to Ethernet Macintosh interface
Macintosh Plus or larger.
$199.99 retail
$24.99 retail; PowerBook adapter cable
FOCUS Enhancements Inc.; 800 W. Cummings Park, Ste. 4500; Woburn, MA 01801; 617-938-8088, 800-538-8865 or 617-938-7741 (fax)

EtherLAN SC-T
External 10Base-T SCSI to Ethernet Macintosh interface
Macintosh Plus or larger; System 6.0.3.
$219.99 retail
$24.99 retail; PowerBook adapter cable
FOCUS Enhancements Inc.; 800 W. Cummings Park, Ste. 4500; Woburn, MA 01801; 617-938-8088, 800-538-8865 or 617-938-7741 (fax)

EtherMac Ethernet Cards
Ethernet interface cards
Macintosh SE or larger.
Call for pricing
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

Ethernet MicroDock
Adds high-speed 10Base-T Ethernet networking capability to any PowerBook Duo
Macintosh PowerBook Duo.
$225 retail
Newer Technology; 7803 E. Osie, Ste. 105; Wichita, KS 67207; 316-685-4904, 800-678-3726 or 316-685-9368 (fax)

Ethernet Series
Ethernet boards
Macintosh SE or larger.
$99 each retail; EtherTwP or EtherTnT for Macintosh II family, LC, LC II, LC III, LC 520, Color Classic
$149 retail; Ether A1 for Macintosh SE, II family, LC, LC II, LC III, LC 520, Color Classic
$149 retail; Ether A1 for Macintosh SE/30, IIsi
Sonic Systems, Inc.; 1150 Kifer Rd., #201; Sunnyvale, CA 94086; 408-736-1900, 800-535-0725 or 408-736-7228 (fax)

FriendlyNet 10T, TN And TK Adapters
Complete support for the new Apple Ethernet cabling system
Macintosh LC or larger.
$69 each retail; thin or 10Base-T
$89 retail; thick
Asanté Technologies, Inc.; 821 Fox Ln.; San Jose, CA 95131; 408-435-8388, 800-662-9686 or 408-432-7511 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

GPIB-ENET/Mac
Connects Macintosh computers to GPIB instruments around the world via Ethernet networks; or networks with GPIB-ENET-equipped computers
Power Macintosh or NuBus.
$1,095 retail; AUI/Twisted Pair
$1,195 retail; AUI/Coaxial Cable
National Instruments; 6504 Bridge Point Pkwy.; Austin, TX 78730; 512-794-0100, 800-433-3488 or 512-794-8411 (fax)

High Speed NeuNet (NuBus)
High-performance networking
Macintosh II family.
£43 retail
Neutral Ltd.; 633 High Rd.; Seven Kings, Ilford; Essex, England 1G3 8RA; 44-81-599-9902 or 44-81-590-6365 (fax)

High Speed NeuNet SE30
Allows the creation of dual-speed AppleTalk networks
Macintosh SE/30.
£199 retail
Neutral Ltd.; 633 High Rd.; Seven Kings, Ilford; Essex, England 1G3 8RA; 44-81-599-9902 or 44-81-590-6365 (fax)

HyperNet EN-Cards
Ethernet cards
Macintosh Plus or larger.
Call for pricing
PCon; 2984 Calle de Las Flores; San Jose, CA 95148; 408-270-3200, 800-726-6462 or 408-274-4504 (fax)

■ **Mac/SD**
WAN Interface card
Macintosh with NuBus slot; System 7.0 or later.
Mac/SD is a wide area network interface card. NuBus-based Macintosh computers can be used for communications between two or more locations over synchronous facilities at data rates from 9.6 Kbits/sec to 4.0 Mbits/sec. The Mac/SD plug-in card allows data communications over virtually unlimited distances on dial-up, leased or private synchronous facilities. Features of the Mac/SD include high-performance 32-bit NuBus interface, transmit time derived from synchronous facility, alternative timing available from on-board clock, HDLC LAPB/LAPD protocol provides error checking and flow control and user installable communications driver. Stand-alone, high-speed file transfer software and developer kits including diagnostics are also available.
$1,295 retail
Niwot Networks, Inc.; 2200 Central Ave., Ste. B; Boulder, CO 80301; 303-444-7765 (phone/fax)

MacCon+
Ethernet interface cards
Macintosh SE or larger.
$206 retail
Asanté Technologies, Inc.; 821 Fox Ln.; San Jose, CA 95131; 408-435-8388, 800-662-9686 or 408-432-7511 (fax)

MacCon3
Ethernet interface cards
Macintosh SE or larger.
$269 retail
Asanté Technologies, Inc.; 821 Fox Ln.; San Jose, CA 95131; 408-435-8388, 800-662-9686 or 408-432-7511 (fax)

MaCNet LC-480, SE-470 And NU-460
Ethernet cards
Macintosh LC, SE/30 or II.
$149 each retail
MaCNet; 2199 Zanker Rd.; San Jose, CA 95131; 408-954-8000, 800-486-2638 or 408-954-8866 (fax)

MaCNet SCSI490 And SCSI490PB
SCSI Ethernet adapters for slotless Macs and PowerBooks
Macintosh Plus or larger.
$279 to $299 retail
MaCNet; 2199 Zanker Rd.; San Jose, CA 95131; 408-954-8000, 800-486-2638 or 408-954-8866 (fax)

MacRing
Token Ring interface cards
Macintosh SE or larger.
$539 retail; MacRing for SE, IIsi, LC
$665 retail; MacRing for NuBus
Asanté Technologies, Inc.; 821 Fox Ln.; San Jose, CA 95131; 408-435-8388, 800-662-9686 or 408-432-7511 (fax)

MCC-1000 SMDSTalk Adapter Card
Macintosh to SMDS network adapter
Macintosh II or Quadra family.
$4,490 retail
MultiAccess Computing Corp.; 5350 Hollister Ave., Ste. C; Santa Barbara, CA 93111; 805-964-2332 or 805-681-7469 (fax)

MCC-256 Switched Digital Adapter
56K connection for the Macintosh
Macintosh II or Quadra family; System 6.0.7 or later.
$995 retail
MultiAccess Computing Corp.; 5350 Hollister Ave., Ste. C; Santa Barbara, CA 93111; 805-964-2332 or 805-681-7469 (fax)

MCC-256FRS Frame Relay Adapter Card
Macintosh to frame relay network adapter
Macintosh II or Quadra family; System 7.0 or later.
$1,195 retail
MultiAccess Computing Corp.; 5350 Hollister Ave., Ste. C; Santa Barbara, CA 93111; 805-964-2332 or 805-681-7469 (fax)

microSCSI
External SCSI to Ethernet adapter
Macintosh Plus or larger; System 6.0.4 or later; EtherTalk Phase I or II.
$279 retail; desktop
$299 retail; PowerBook
Sonic Systems, Inc.; 1150 Kifer Rd., #201; Sunnyvale, CA 94086; 408-736-1900, 800-535-0725 or 408-736-7228 (fax)

NIA310
32-bit Ethernet controller
Macintosh II family; thin or thick Ethernet.
$329 retail
Racal InterLan; 155 Swanson Rd.; Boxborough, MA 01719; 508-263-9929, 800-526-8255 or 508-263-8655 (fax)

NIA310-10BT
32-bit Ethernet controller
Macintosh II family; 10Base-T unshielded twisted pair.
$329 retail
Racal InterLan; 155 Swanson Rd.; Boxborough, MA 01719; 508-263-9929, 800-526-8255 or 508-263-8655 (fax)

NISE
16-bit Ethernet controller
Macintosh SE; thin or thick Ethernet.
$99 retail
Racal InterLan; 155 Swanson Rd.; Boxborough, MA 01719; 508-263-9929, 800-526-8255 or 508-263-8655 (fax)

NISE/30
32-bit Ethernet controller
Macintosh SE/30; thin or thick Ethernet.
$99 retail
Racal InterLan; 155 Swanson Rd.; Boxborough, MA 01719; 508-263-9929, 800-526-8255 or 508-263-8655 (fax)

SK FDDI NuBus
FDDI NuBus network interface card
Macintosh II or Quadra family.
$1,950 starting price retail
SysKonnect, Inc.; 12930 Saratoga Ave., Ste. D-1; Saratoga, CA 95070; 408-725-4650 or 408-725-4654 (fax)

SMDSTalk/DS0 Adapter Card
DS0 SMDS connection for the Macintosh
Macintosh II or Quadra family; System 7.0 or later.
$1,195 retail
MultiAccess Computing Corp.; 5350 Hollister Ave., Ste. C; Santa Barbara, CA 93111; 805-964-2332 or 805-681-7469 (fax)

SonicNet
Fiber optic network for digital audio and other data intensive applications
Macintosh II or Quadra.
Call for pricing
Sonic Solutions; 1891 E. Francisco Blvd.; San Rafael, CA 94901; 415-485-4800 or 415-485-4877 (fax)

Spectra NSF
FDDI high-speed network card
Macintosh II or larger.
$1,899 retail; Optical fiber
$1,699 retail; Copper transceiver
Spectra Systems Corp.; 2001 Westside Pkwy., Ste. 125; Alpharetta, GA 30201; 404-410-7803 or 404-410-7815 (fax)

TechWorks Ethernet Cards
Ethernet cards
Macintosh SE, SE/30 or IIsi; System 6.0.5 or later.
$229 to $379 retail
TechWorks; 4030 Braker Ln. W, Ste. 350; Austin, TX 78759; 512-794-8533, 800-688-7466 or 512-794-8520 (fax)

TechWorks Ethernet SC/SC-T
Supplies an external thin or 10Base-T connection
Any Macintosh; System 6.0.3 or later.
$399 retail
$429 retail; for PowerBook
TechWorks; 4030 Braker Ln. W, Ste. 350; Austin, TX 78759; 512-794-8533, 800-688-7466 or 512-794-8520 (fax)

TechWorks LC Ethernet Card
Ethernet card
Macintosh LC; System 6.0.5 or later.
$199 to $309 retail
TechWorks; 4030 Braker Ln. W, Ste. 350; Austin, TX 78759; 512-794-8533, 800-688-7466 or 512-794-8520 (fax)

TechWorks NuBus 10T/Thin/Thick Ethernet Card
NuBus Ethernet cards
Macintosh II; System 6.0.5 or later.
$279 retail; 10T/Thin/Thick
$199 retail; 10T/Thick or Thin/Thick
TechWorks; 4030 Braker Ln. W, Ste. 350; Austin, TX 78759; 512-794-8533, 800-688-7466 or 512-794-8520 (fax)

Hardware & Peripherals/Communications/Routers & Gateways

ACS 4200, ACS 4400 And ACCes 4500
Multiprotocol bridges/routers
Macintosh Plus or larger.
$5,750 to $8,350 retail; ACS 4200
$5,750 to $32,400 retail; ACS 4400
$9,995 to $108,665 retail; ACCes 4500
Advanced Computer Communications; 10261 Bubb Rd.; Cupertino, CA 95014; 408-864-0600, 800-444-7854 or 408-446-5234 (fax)

AirLAN/Bridge
Wireless building interconnection
Ethernet network.
$4,999 retail
Solectek Corp.; 6370 Nancy Ridge Dr., Ste. 109; San Diego, CA 92121; 619-450-1220, 800-437-1518 or 619-457-2681 (fax)

Amazon
Multiprotocol remote bridge/router
Macintosh Plus or larger.
$7,500 retail
Advanced Computer Communications; 10261 Bubb Rd.; Cupertino, CA 95014; 408-864-0600, 800-444-7854 or 408-446-5234 (fax)

BroadTalk To Ethernet Gateway
Provides high-speed connectivity between BroadTalk and Ethernet
Ethernet and broadband cables; Macintoshes or PCs or any Ethernet equipment.
$3,550 retail
Cactus Computer, Inc.; 1120 Metrocrest Dr., Ste. 103; Carrollton, TX 75006; 214-416-0525

BroadTalk To LocalTalk Gateway
Provides high-speed connectivity between BroadTalk and LocalTalk
LocalTalk and broadband cabling; Macintoshes or PCs or any LocalTalk equipment.
$2,985 retail
Cactus Computer, Inc.; 1120 Metrocrest Dr., Ste. 103; Carrollton, TX 75006; 214-416-0525

ComTalk HF/Local
Multiport AppleTalk local router and TCP/IP gateway
Macintosh Plus or larger.

ComTalk HF local routers connect three LocalTalk/PhoneNET networks to an Ethernet. Designed to provide exceptional routing speeds at low prices, the plug-and-play ComTalk HF routers are available in two models. The LR3 model connects up to three LocalTalk networks to an Ethernet. Users also can use the LR3 to split a single LocalTalk network into three separate networks for higher performance, and provide a common connection to an Ethernet. The LR3/IP adds IP gateway services for access to TCP/IP networks and resources, supporting MacIP, IPTalk and atalkad protocols. Any LR3 model can be upgraded to an LR3/IP model with a software IP upgrade option. Both models provide AUI, BNC and 10Base-T connections to an Ethernet. A comprehensive Internet Manager desktop accessory is included with every unit. ComTalk HF routers support Phase 1 and Phase 2 AppleTalk networks, and include SNMP support for AppleTalk and TCP/IP MIBs.
$1,500 retail; LR3
$2,000 retail; LR3/IP
APT Communications, Inc.; 9607 Dr. Perry Rd.; Ijamsville, MD 21754; 301-831-1182 or 301-874-5255 (fax)

ComTalk HX/Local
Multiport AppleTalk and TCP/IP local router and gateway
Macintosh Plus or larger.

ComTalk HX local routers connect up to two Ethernet and six LocalTalk/PhoneNET networks through a single device. Designed for rack-mounted wiring closet application, ComTalk HX routers dramatically reduce the number of router boxes to be installed (and managed). All ComTalk HX routers provide exceptional routing speeds, and the modular architecture allows port expansions via plug-in modules. The baseline H130 model connects three LocalTalk/PhoneNET networks to one Ethernet. It includes AppleTalk Phase 1 and 2 routing, TCP/IP gateway functions (MacIP, IPTalk and Atalkad) and SNMP support for AppleTalk and TCP/IP MIBs. The H200 provides both AppleTalk and IP routing (optional) between its two Ethernet ports. It can be used to split a congested Ethernet network and improve performance, or to isolate Ethernet-based work groups from backbone Ethernet traffic (while retaining backbone connectivity). Optional LocalTalk ports (up to a maximum of six) can be added to either model as needed. Network management software is included.
$2,500 retail; H130 or H200
$750 retail; additional LocalTalk ports
APT Communications, Inc.; 9607 Dr. Perry Rd.; Ijamsville, MD 21754; 301-831-1182 or 301-874-5255 (fax)

ComTalk HX/Remote
AppleTalk and TCP/IP remote router and gateway
Macintosh Plus or larger.

ComTalk HX high-speed remote routers provide branch office users with high-speed access to remote LAN resources. Macintosh and/or TCP/IP users can access remote file servers via switched 56 Kbps digital (or 64 Kbps ISDN) services, and transfer large graphics or image files much faster than with AppleTalk Remote Access (ARA) or other modem-based solutions. A built-in AppleTalk/IP gateway also lets Macintosh users access communicate with remote TCP/IP resources on the network. ComTalk HX remote routers operate at all speeds up to 1.544 Mbps (T1 rate), and deliver high throughputs (95 percent at 56 Kbps; 90 percent at 1.544 Mbps). The baseline H011 and H101 models provide remote connections for single LocalTalk and EtherTalk networks respectively. Additional LAN ports can be installed to provide combined local and remote routing capability. WAN ports can be added (up to a maximum of six) for hub arrangements. Network management software is included.
$2,500 retail; H011
$3,500 retail; H101
$750 retail; additional LocalTalk or WAN ports
$1,000 retail; optional second Ethernet port
APT Communications, Inc.; 9607 Dr. Perry Rd.; Ijamsville, MD 21754; 301-831-1182 or 301-874-5255 (fax)

Danube
Remote multiprotocol bridge/router
Macintosh Plus or larger.
$1,995 retail
Advanced Computer Communications; 10261 Bubb Rd.; Cupertino, CA 95014; 408-864-0600, 800-444-7854 or 408-446-5234 (fax)

EtherGate
EtherTalk/LocalTalk/Serial gateway
Macintosh Plus or larger; EtherTalk and/or LocalTalk network.
$1,999 retail
Shiva Corp.; Northwest Park, 63 Third Ave.; Burlington, MA 01803; 617-270-8300, 800-458-3550 or 617-270-8599 (fax)

EtherWay
LocalTalk-Ethernet router/gateway
Macintosh Plus or larger; System 6.0 or later.
$1,599 retail; BNC/AUI
$1,499 retail; AAUI
International Transware, Inc.; 1503 Grant Rd., Ste. 155; Mountain View, CA 94040; 415-903-2300, 800-999-6387 or 415-903-9544 (fax)

EtherWay EL
LocalTalk-Ethernet router/gateway
Macintosh Plus or larger; System 6.0 or later.
$999 retail
International Transware, Inc.; 1503 Grant Rd., Ste. 155; Mountain View, CA 94040; 415-903-2300, 800-999-6387 or 415-903-9544 (fax)

Ether•Route II
EtherTalk/LocalTalk gateway and router
Macintosh Plus or larger; EtherTalk and/or LocalTalk network.
$1,495 retail
Compatible Systems Corp.; PO Drawer 17220; Boulder, CO 80308; 303-444-9532, 800-356-0283 or 303-444-9595 (fax)

Ether•Route/TCP II
Ethernet/LocalTalk gateway and router
Macintosh Plus or larger; Ethernet and/or LocalTalk network.
$1,895 retail
Compatible Systems Corp.; PO Drawer 17220; Boulder, CO 80308; 303-444-9532, 800-356-0283 or 303-444-9595 (fax)

ExpressRouter, ExpressRouter-NT, ExpressRouter-ISDN, ExpressRouter-Frame Relay
High-speed synchronous EtherTalk router
Macintosh Plus or larger; 2 MB of RAM; System 6.0 or later.
$1,995 retail; ExpressRouter
$1,995-$2,995 retail; ExpressRouter-Frame Relay
$2,495 retail; ExpressRouter-NT
$2,495 retail; ExpressRouter-ISDN
Engage Communication, Inc.; 9053 Soquel Dr.; Aptos, CA 95003; 408-688-1021 or 408-688-1421 (fax)

FastPath 5R
LocalTalk to Ethernet router/gateway
Macintosh Plus or larger; PhoneNET or LocalTalk network; Ethernet network.
$1,999 retail; single
$3,799 retail; dual
Shiva Corp.; Northwest Park, 63 Third Ave.; Burlington, MA 01803; 617-270-8300, 800-458-3550 or 617-270-8599 (fax)

GatorBox CS
AppleTalk to Ethernet gateway
Any number of Macintoshes on a LocalTalk network and any number of NFS servers (including Macintosh IIs with A/UX) on standard or thin Ethernet.
$2,795 retail
Cayman Systems, Inc.; 400 Unicorn Park Dr.; Woburn, MA 01801; 617-932-1100

GatorBox EX
Dual Ethernet router and gateway for departmental networks
Any Macintosh.
$3,495 retail
Cayman Systems, Inc.; 400 Unicorn Park Dr.; Woburn, MA 01801; 617-932-1100

GatorStar GX
24-port LocalTalk to Ethernet gateway
Any number of Macintoshes on a LocalTalk or Ethernet network and any number of NFS servers (including A/UX).
$3,595 to $3,895 retail
Cayman Systems, Inc.; 400 Unicorn Park Dr.; Woburn, MA 01801; 617-932-1100

InterBridge
Bridge to connect multiple AppleTalk networks; supports AppleTalk Phase II
Macintosh 512K or larger.
$799 estimated retail
Hayes Microcomputer Products, Inc.; PO Box 105203; Atlanta, GA 30348; 404-441-1617 or 404-449-0087 (fax)

InterRoute/5
Multiport LocalTalk-to-Ethernet hardware router/gateway
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$3,495 retail

These Products Available Through Bottom Line Distribution
1-800-347-1923

$3,295 retail; concentrator module
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

InterTalk
Intelligent, high-speed router for LocalTalk and PhoneNET networks
Macintosh Plus or larger; System 6.0 or later.
$599 retail; InterTalk
International Transware, Inc.; 1503 Grant Rd., Ste. 155; Mountain View, CA 94040; 415-903-2300, 800-999-6387 or 415-903-9544 (fax)

LANtastic For Macintosh
Connect Macintosh computers to a LANtastic PC network
Macintosh Plus or larger; IBM PC or compatible dedicated server; LANtastic system 4.0 or later; PC network adapter; 8- or 16-bit expansion slot; 640K of RAM; hard disk drive; MS-DOS 3.3 or later.
$799 retail; with LocalTalk adapter
$599 retail; software only
Artisoft, Inc.; 2202 N. Forbes Blvd.; Tucson, AZ 85745; 602-670-7100, 800-233-5564 (sales) or 602-670-7101 (fax)

LattisTalk Model 3394
Router/repeater
LocalTalk environment.
$3,595 retail
SynOptics Communications, Inc.; 4401 Great America Pkwy.; PO Box 58185; Santa Clara, CA 95052; 408-988-2400 or 408-988-5525 (fax)

LocalSwitch
16-port packet-switching hub for AppleTalk networks
Any Macintosh or Apple II GS.
$2,495 retail
Tribe Computer Works; 960 Atlantic Ave., Ste. 101; Alameda, CA 94501; 510-814-3910, 800-778-7423 or 510-814-3980 (fax)

■ **MicroRouter 1000R**
Dedicated hardware router
Macintosh Plus or larger; EtherTalk and/or LocalTalk network.
The MicroRouter 1000R is a dedicated hardware router that supports the transmission of TCP/IP, IPX, Apple and DECnet networking protocols from an Ethernet network over standard telephone lines. It may be used to communicate over higher speed switched, leased or ISDN lines. The MicroRouter 1000R can be used to connect a remote office Ethernet network to a central office network or the Internet. The router will automatically determine traffic to be routed, dial out, establish a connection, transfer the traffic and disconnect. The MicroRouter is designed for simple installation and easy management. The router can be managed from any platform users choose. MS-Windows and Macintosh management software applications are included. Telnet and SNMP can also be used for router management.
$1,695 retail
Compatible Systems Corp.; PO Drawer 17220; Boulder, CO 80308; 303-444-9532, 800-356-0283 or 303-444-9595 (fax)

MultiRouter EN
Two-port Ethernet router/gateway
Macintosh Plus or larger; Ethernet network.
$1,895 to $2,095 retail
NetSpan Corp.; 1701 N. Greenville Ave., Ste. 1110; Richardson, TX 75081; 214-690-8844 or 214-690-8840 (fax)

MultiRouter EN/LT
Ethernet to two-port LocalTalk router/gateway
Macintosh Plus or larger; Ethernet network; LocalTalk network.
$1,595 to $1,795 retail
NetSpan Corp.; 1701 N. Greenville Ave., Ste. 1110; Richardson, TX 75081; 214-690-8844 or 214-690-8840 (fax)

MultiRouter LT
Four-port LocalTalk router
Macintosh Plus or larger; LocalTalk network.
$1,495 retail
NetSpan Corp.; 1701 N. Greenville Ave., Ste. 1110; Richardson, TX 75081; 214-690-8844 or 214-690-8840 (fax)

MultiRouter LT/Modem And EN/Modem
Two-port LocalTalk router with wide area Modem half router
Macintosh Plus or larger; LocalTalk or Ethernet network; telephone line.
$1,695-$1,895 retail; LT/Modem
$1,995-$2,195 retail; EN/Modem
NetSpan Corp.; 1701 N. Greenville Ave., Ste. 1110; Richardson, TX 75081; 214-690-8844 or 214-690-8840 (fax)

MultiRouter LT/Sync And EN/Sync
Two-port LocalTalk or one-port Ethernet router with wide area synchronous serial half router
Macintosh Plus or larger; LocalTalk or Ethernet network; synchronous communications link.
$1,595 to $2,295 retail
NetSpan Corp.; 1701 N. Greenville Ave., Ste. 1110; Richardson, TX 75081; 214-690-8844 or 214-690-8840 (fax)

NetAxcess
Gateway that connects Macintosh computers on an AppleTalk network to IBM AS/400 or System/3X
Macintosh SE/30, LC, LC III, II, Centris, AV or Quadra family; System/Finder 6.0.3 or later; AppleTalk network; IBM AS/400 or System 36/38; optional host file transfer utility software.
$3,995 retail
Andrew Corp.; 4301 Westbank Dr., Ste. A-100; Austin, TX 78746; 512-314-3000, 800-531-5167 or 512-314-3195 (fax)

NetBridge
Expands the efficiency of LocalTalk networks beyond the normal 32 nodes; can also be used to connect separate local networks
Macintosh Plus or larger.
$799 retail
Shiva Corp.; Northwest Park, 63 Third Ave.; Burlington, MA 01803; 617-270-8300, 800-458-3550 or 617-270-8599 (fax)

Nile
Multiprotocol bridge/router
Macintosh Plus or larger.
$2,795 to $5,045 retail
Advanced Computer Communications; 10261 Bubb Rd.; Cupertino, CA 95014; 408-864-0600, 800-444-7854 or 408-446-5234 (fax)

P-Shooter
LocalTalk active star hub
Macintosh Plus or larger.
$595 retail; P-Shooter PS-1200 (with wiring kit)
$1,795 retail; P-Shooter LTX-1200
$2,695 retail; P-Shooter LTX-2400
PCon; 2984 Calle de Las Flores; San Jose, CA 95148; 408-270-3200, 800-726-6462 or 408-274-4504 (fax)

PathFinder Router
LocalTalk to Ethernet router
Any number of Macintosh computers on Ethernet or LocalTalk.
$759 retail
Dayna Communications; Sorenson Research Park; 849 W. Levoy Dr.; Salt Lake City, UT 84123; 801-269-7200 or 801-269-7363 (fax)

PrintTalk/25e
High-speed print server; allows up to eight LocalTalk printers or devices to be connected to an Ethernet or Token Ring network
Macintosh Plus or larger.
$545 to $1,095 retail
Digital Products, Inc.; 411 Waverly Oaks Rd.; Watham, MA 02154; 617-647-1234 or 617-647-4474 (fax)

RISC•Router 3000E
Router based on a 25 MHz RISC processor
Macintosh II family.
$3,495 retail
Compatible Systems Corp.; PO Drawer 17220; Boulder, CO 80308; 303-444-9532, 800-356-0283 or 303-444-9595 (fax)

SerialWay
Serial server for sharing unlimited serial devices over LocalTalk and Ethernet
Macintosh Plus or larger; System 6.0 or later.
$499 retail; SerialWay LT
$999 retail; SerialWay EN
International Transware, Inc.; 1503 Grant Rd., Ste. 155; Mountain View, CA 94040; 415-903-2300, 800-999-6387 or 415-903-9544 (fax)

StarRouter
LocalTalk to Ethernet hardware router/gateway with repeating functionality
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$3,295 retail
$3,095 retail; concentrator module
Farallon Computing, Inc.; 2470 Mariner Square Loop; Alameda, CA 94501; 510-814-5000 or 510-814-5020 (fax)

SupraNet
Modems and driver software for AppleTalk
Macintosh II; Apple Internet Router 2.0 and 3.0.
Call for pricing
Applied Technologies; Niedstrasse 22; D-12159 Berlin; Germany; +49-30-8592958 or +49-30-8514615 (fax)

SyncRouter LT
Synchronous AppleTalk router
Macintosh Plus or larger; 2 MB of RAM; System 6.0 or later.
$1,595 retail
Engage Communication, Inc.; 9053 Soquel Dr.; Aptos, CA 95003; 408-688-1021 or 408-688-1421 (fax)

SyncRouter LTi, LTNT, LTISDN And LTX.21
High-speed AppleTalk routers
Macintosh Plus or larger; 2 MB of RAM; System 6.0 or later.
$2,195 retail; SyncRouter LTi
$1,795 retail; SyncRouter LTNT
$1,995 retail; SyncRouter LTISDN
$1,895 retail; SyncRouter LTX.21
Engage Communication, Inc.; 9053 Soquel Dr.; Aptos, CA 95003; 408-688-1021 or 408-688-1421 (fax)

TeleBridge
Provides dial-in, dial-out and remote routing for AppleTalk networks
Macintosh Plus or larger; AppleTalk network.
$799 retail
Shiva Corp.; Northwest Park, 63 Third Ave.; Burlington, MA 01803; 617-270-8300, 800-458-3550 or 617-270-8599 (fax)

TokenPrint And TokenPrint Plus
LocalTalk to Token Ring bridges
Macintosh workstation on Token Ring for setup and configuration; existing Token Ring network; LocalTalk printer or peripheral device.
$649 retail; TokenPrint
$829 retail; TokenPrint Plus
Dayna Communications; Sorenson Research Park; 849 W. Levoy Dr.; Salt Lake City, UT 84123; 801-269-7200 or 801-269-7363 (fax)

TransTalk
AppleTalk wide area network router for all asynchronous and synchronous connections
Macintosh Plus or larger; System 6.0 or later.
$899 retail
International Transware, Inc.; 1503 Grant Rd., Ste. 155; Mountain View, CA 94040; 415-903-2300, 800-999-6387 or 415-903-9544 (fax)

TribeStar
Combination Ethernet and LocalTalk network hub with IP support
Any Macintosh or Apple II GS; System 6.0.2 or later.
$1,795 retail
Tribe Computer Works; 960 Atlantic Ave., Ste. 101; Alameda, CA 94501; 510-814-3910, 800-778-7423 or 510-814-3980 (fax)

Webster MultiPort/LT
Four-port AppleTalk router, Ethernet gateway, AppleTalk Remote Access server and Network modem server
Any Macintosh.
$1,995 retail
Webster Computer Corp.; 2109 O'Toole Ave., Ste. J; San Jose, CA 95131; 408-954-8054, 800-457-0903 or 408-954-1832 (fax)

Hardware & Peripherals/Communications/Other

AirCommunicator
All-in-one cellular communications system
Macintosh notebook computer; System 7.0 or later.
$1,595 retail
Air Communications, Inc.; 274 San Geronimo Way; Sunnyvale, CA 94086; 408-749-9883, 800-247-3282 or 408-749-8089 (fax)

AMIE Gate
Macintosh interface emulator
Macintosh Plus or larger; 1 MB of RAM; hard disk drive recommended.
$995 retail; hardware
$395 to $5,995 retail; software (4 to 32 concurrent users)
Air Land Systems Corp.; 2710 Prosperity Ave.; Fairfax, VA 22031; 703-573-1100, 800-247-5263 or 703-573-0121 (fax)

AMIE II
Macintosh II interface emulator
Macintosh II family; 1 MB of RAM; hard disk drive recommended.
$595 retail; hardware
$395 retail; software (single user)
Air Land Systems Corp.; 2710 Prosperity Ave.; Fairfax, VA 22031; 703-573-1100, 800-247-5263 or 703-573-0121 (fax)

AMIE SCSI
Macintosh interface emulator
Macintosh Plus or larger; 1 MB of RAM; hard disk drive recommended.
$795 retail; hardware
$395 retail; software (single user)
Air Land Systems Corp.; 2710 Prosperity Ave.; Fairfax, VA 22031; 703-573-1100, 800-247-5263 or 703-573-0121 (fax)

Apple Remote Access
Hardware/software provides anytime, anywhere computing for workgroups and individuals
Macintosh Plus or larger.
Call for pricing; Apple Remote Access Personal Server (includes a single client and server software)
Call for pricing; Apple Remote Access Personal Server Upgrade Kit
Call for pricing; Apple Remote Access MultiPort Server (includes server and four-client software, serial card, cable)
Call for pricing; Apple Remote Access MultiPort Server 4-Port Expansion Kit (includes four-port installation kit, four clients, serial card, cable)
Call for pricing; Apple Remote Access MultiPort Server X.25 Extension Kit
Call for pricing; Apple Remote Access Client
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Asanté NetConnect-Remote Access Server (RAS)
High-performance remote network access server for multiprotocol dial-up LAN connectivity
Any Macintosh using ARA.
$3,899 retail; eight-port
$5,875 retail; 16-port
$2,175 retail; eight-port upgrade module
Asanté Technologies, Inc.; 821 Fox Ln.; San Jose, CA 95131; 408-435-8388, 800-662-9686 or 408-432-7511 (fax)

BTM HyperCard Hands-Free Phone Dialer System
Directly connects the "real world" of telephones and telemarketing to the Mac and programs, such as HyperCard, Focal Point, Excel and Works; used with a telephone or headset
Macintosh Plus or larger; 1 MB of RAM; HyperCard.
Call for pricing
Business Technology Manufacturing, Inc.; 42-20 235th St.; Douglaston, NY 11363; 718-229-8080

Cellular/Data Link
Allows any computer to access other computers or fax machines via a portable cellular telephone
Any Macintosh.
$249 retail
ORA Electronics; 9410 Owensmouth Ave.; Chatsworth, CA 91311; 818-772-2700

■ **Cooperative Access Point Base/Power Unit**
Base/power unit
Macintosh SE or larger; AppleTalk; LaserWriter II or larger.
The Photonics Cooperative Access Point Base/Power Unit serves several functions when paired with a Cooperative Adapter. Power for the Cooperative adapter is provided by the Apple Desktop Bus. For non-ADB equipment, the Cooperative Access Point Base/Power Unit acts as a power source. The unit provides AC and battery power options. The Cooperative Access Point Base/Power Unit, when paired with a Cooperative Adapter, also forms an access point through which a wireless cooperative network is linked to an existing wired LocalTalk network.
$129 retail
Photonics Corp.; 2940 N. First St.; San Jose, CA 95134; 408-955-7930, 800-628-3033 or 408-955-7950 (fax)

■ **Cooperative Adapter**
Wireless networking device
Macintosh SE or larger; AppleTalk; LaserWriter II or larger.
Photonics' Cooperative Adapter is a wireless networking device for all AppleTalk/LocalTalk-equipped devices, such as Macintosh SE or larger, PowerBook, PowerBook Duo, Newton, LaserWriter and other LocalTalk-compatible printers, as well as IBM PCs with LocalTalk network interface cards and software installed. Using diffuse infrared technology, information is wirelessly shared through the air, facilitating networks and information access. Cooperative Adapter's transmission is fully LocalTalk compatible at 230 KB/sec. The Cooperative Adapters do not need to be aimed because the infrared signals fill the room. The entire room reflects the signal, making it very difficult to block, allowing equipment to be placed where it's needed. The robust nature of the transmission provides users with a dependable communication link to others. The range of the infrared LAN is a 25 by 25-foot room. No software is required, the Cooperative Adapter simply plugs into the LocalTalk port and the Apple Desktop Bus for power. For users with non-ADB devices that need to bridge into the wired LAN, an access point base/power unit is available.
$349 retail
Photonics Corp.; 2940 N. First St.; San Jose, CA 95134; 408-955-7930, 800-628-3033 or 408-955-7950 (fax)

■ **DaynaLink For ARA**
Mobile access server
Any Macintosh, 2 MB of RAM; System 7.0 or later; Ethernet network.
The DaynaLink for ARA uses the modular PCMCIA-based hardware platform to provide mobile computing access through internal credit card-sized PCMCIA modems. DaynaLink for ARA has slots for eight internal modems and two internal ROM cards. DaynaLink for ARA includes intuitive software that steps users through server setup and configuration. Management software provides real-time port status and connection information and many security features.
$2,999 retail
Dayna Communications; Sorenson Research Park; 849 W. Levoy Dr.; Salt Lake City, UT 84123; 801-269-7200 or 801-269-7363 (fax)

Desktop Dialer
Speed dialing directly from the Macintosh
Macintosh Classic, LC, SE, II, Centris, Quadra family or PowerBook; System 6.0 or later.
$75 retail
Sophisticated Circuits, Inc.; 19017 120th Ave. NE, Ste. 106; Bothell, WA 98011; 206-485-7979, 800-827-4669 or 206-485-7172 (fax)

DigiBoard Nu/Xi
Intelligent serial communications system for the NuBus
Macintosh II or Quadra.
$1,295 retail; DigiBoard Nu/8i
$995 retail; DigiBoard Nu/4i
DigiBoard; 6400 Flying Cloud Dr.; Eden Prairie, MN 55344; 612-943-9020, 800-344-4273 or 612-943-5398 (fax)

DTP Lynx
Fast file transfer package for graphics and imaging professionals
Macintosh NuBus; System 6.0.5 or later.
$2,899 retail; for Optical fiber
$2,599 retail; Copper transceivers
Spectra Systems Corp.; 2001 Westside Pkwy., Ste. 125; Alpharetta, GA 30201; 404-410-7803 or 404-410-7815 (fax)

■ **ETE Communicator**
Portable communications and navigation server
Newton MessagePad.
The ETE Communicator is a portable communications and navigation server that enables Newton PDAs to communicate wirelessly via cellular phone or digital packet radio. Each ETE Communicator comes equipped with a choice of the following communications and navigation features: cellular phone (voice and data); digital packet radio supporting the RAM Mobile Data or ARDIS networks; 14.4 kbps data/fax modem; and Global Positioning System receiver. The ETE Communicator is a compact module that fits comfortably underneath the MessagePad or Sharp Expert Pad. Without compromising portability, it complements the Newton with a wide range of communications capabilities, transforming the Newton into a mobile communications and navigation system. ETE's APIs allow any NewtonScript application to take advantage of the many features of the ETE Communicator. ETE's development software is designed to simplify the process of incorporating wireless communications and navigation services into a NewtonScript application.
$495 to $1,595 retail; depending on configuration
ETE, Inc.; 12526 High Bluff Dr., Ste. 300; San Diego, CA 92130; 619-793-5400 or 619-793-6060 (fax)

EtherPrint And EtherPrint Plus
Connects LocalTalk-compatible printers to Ethernet
LocalTalk-compatible network printer; Ethernet network supporting AppleTalk Phase 1 or Phase 2 protocols; external transceiver required for thick Ethernet, twisted-pair or fiber-optic cable systems.
$419 retail; EtherPrint, EtherPrint-T
$459 retail; EtherPrint-3
$499 retail; EtherPrint Plus, EtherPrint-T Plus
$539 retail; EtherPrint-3 Plus
Dayna Communications; Sorenson Research Park; 849 W. Levoy Dr.; Salt Lake City, UT 84123; 801-269-7200 or 801-269-7363 (fax)

Ether•Write
Connect up to six LocalTalk printers to Ethernet
Macintosh Plus or larger; Ethernet and LocalTalk network.
$595 retail
Compatible Systems Corp.; PO Drawer 17220; Boulder, CO 80308; 303-444-9532, 800-356-0283 or 303-444-9595 (fax)

Ether•Write/LPR
Dedicated hardware printing gateway
Macintosh Plus or larger; Ethernet and LocalTalk network.
$995 retail
Compatible Systems Corp.; PO Drawer 17220; Boulder, CO 80308; 303-444-9532, 800-356-0283 or 303-444-9595 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

GatorLink
Three-port AppleTalk Remote Access server for Ethernet
Any Macintosh.
$1,495 retail
Cayman Systems, Inc.; 400 Unicorn Park Dr.; Woburn, MA 01801; 617-932-1100

Hurdler SCSI Serial Expansion Peripheral
Adds four serial ports to any Macintosh
Macintosh Plus or larger.
$695 retail
Creative Solutions, Inc.; 4701 Randolph Rd., Ste. 12; Rockville, MD 20852; 301-984-0262, 800-367-8465 (orders) or 301-770-1675 (fax)

Hurdler Serial Boards
Quad serial boards
Macintosh II or Quadra family.
$379 retail
$149 retail; optional A/UX driver
Creative Solutions, Inc.; 4701 Randolph Rd., Ste. 12; Rockville, MD 20852; 301-984-0262, 800-367-8465 (orders) or 301-770-1675 (fax)

Lazer Link III
SCSI fiber optic bus extender
Macintosh Plus or larger.
$1,865 retail
Applied Concepts, Inc.; 9130 SW Pioneer Ct., Ste. B; Wilsonville, OR 97070; 503-685-9300, 800-624-6808 or 503-685-9099 (fax)

LL1000 And LL3000
High-speed coax and fiber-optic bus links for NuBus and VMEBus systems
Macintosh II family.
$1,499 starting price retail
Lextel, Inc.; PO Box 306; Wakefield, MA 01880; 617-245-5017 or 617-245-6369 (fax)

LL5100 Series
High-speed fiber-optic and coax bus links for NuBus and PC/AT systems
Macintosh II family.
$1,499 starting price retail
Lextel, Inc.; PO Box 306; Wakefield, MA 01880; 617-245-5017 or 617-245-6369 (fax)

NetSerial
LocalTalk interface allowing AppleTalk users to share any serial device; has a maximum transfer rate of 57,600 bps
Macintosh Plus or larger; AppleTalk network.
$459 retail
Shiva Corp.; Northwest Park, 63 Third Ave.; Burlington, MA 01803; 617-270-8300, 800-458-3550 or 617-270-8599 (fax)

Paralan
SCSI bus extenders
Macintosh Plus or larger.
$995 to $1,660 retail
Paralan Corp.; 7171 Ronson Rd.; San Diego, CA 92111; 619-560-7266 or 619-560-8929 (fax)

Paralan Parallel SD-10 Series
Single-ended to differential converter
Macintosh Plus or larger.
$475 retail; SD-10
$285 retail; SD-11
Paralan Corp.; 7171 Ronson Rd.; San Diego, CA 92111; 619-560-7266 or 619-560-8929 (fax)

Phone Talker
Macintosh to telephone interface
Any Macintosh through SE.
$39 retail
Thor Manufacturing; PO Box 10108; Reno, NV 89510; 702-324-6600 or 800-346-4694

■ **PhoneMaster**
Telephone line hardware interface
Any Macintosh with serial port.
PhoneMaster is a versatile, serial-connected peripheral useful in many applications of computer-telephony integration. PhoneMaster is the telephone-line hardware interface that enables a computer to automate tasks, such as telerep auto-dialers for telemarketing, credit collections and surveying and polling; voice detection in predictive dialers; inbound caller identification for database lookups; and playing audio clips over a telephone connection. It does not contain a telephone itself, but might be described as a Telephone Signal Processor. It is able to decode and report a variety of telephone call progress signals; detect voice and fax callers; play back Windows wave files over a telephone line; record inbound calls into Windows wave files; switch-in a headset on computer command; send and recognize DTMF dialing tones; and extract Caller ID information from an inbound call. PhoneMaster is controlled by the computer through use of the extended AT command language. It is a highly programmable device lending itself to a myriad of novel applications where a computer needs to interact with the telephone network.
$149 retail
Calculus, Inc.; 1050 Independence Ave.; Mountain View, CA 94043; 415-390-8770 or 415-390-9588 (fax)

SCii Datavoice SO For Mac
Active ISDN card that connects Macintosh computers to the ISDN network
Macintosh II or Quadra; System 7.0 or later.
Call or write for pricing
SCii Germany; Landsberger Str. 392; D-81241 Munich, Germany; +49 (0) 89-54-67-57-0 or +49 (0) 89-54-67-57-32 (fax)

SCSI Differential Bus Converter
Extends SCSI bus to 100 feet
Macintosh Plus or larger.
$765 retail
Applied Concepts, Inc.; 9130 SW Pioneer Ct., Ste. B; Wilsonville, OR 97070; 503-685-9300, 800-624-6808 or 503-685-9099 (fax)

SCSI Plus
Bus repeater
Macintosh Plus or larger.
$199 retail
Applied Concepts, Inc.; 9130 SW Pioneer Ct., Ste. B; Wilsonville, OR 97070; 503-685-9300, 800-624-6808 or 503-685-9099 (fax)

SCSI Switch
4 by 2 electronic crosspoint switch
Macintosh Plus or larger.
$1,295 retail
Applied Concepts, Inc.; 9130 SW Pioneer Ct., Ste. B; Wilsonville, OR 97070; 503-685-9300, 800-624-6808 or 503-685-9099 (fax)

SCSI Switch
2 by 2 electronic crosspoint switch
Macintosh Plus or larger.
$795 retail
Applied Concepts, Inc.; 9130 SW Pioneer Ct., Ste. B; Wilsonville, OR 97070; 503-685-9300, 800-624-6808 or 503-685-9099 (fax)

■ **ShareView 300 And ShareView 3000 For Macintosh**
Desktop video conferencing
Macintosh II or larger; 4 MB of RAM; 6 MB of available hard disk space; ShareView 3000 requires two NuBus slots; System 7.0.1 or later.
ShareView provides desktop video conferencing on the Macintosh. Each ShareView product operates as a screen-based telephone, interactive online whiteboard, application sharing tool and high-speed data and fax modem over an existing analog phone line. ShareView 300 features an internal 14.4 Kbps fax/modem, hands-free phone headset and ShareView application software. The ShareView family provides an inexpensive, readily available method of communications for the Macintosh over an analog phone line, while other products require ISDN, switched 56 or T1 transmission lines. Features include: collaborative document sharing; collaborative whiteboard; audio recording; phonebook; electronic business cards; and a call log. ShareView 3000 also includes snapshot and video recording capability.
$999 retail; ShareView 300
$3,999 retail; ShareView 3000
ShareVision Technology, Inc.; a subsidiary of Creative Technology Ltd.; 1901 McCarthy Blvd.; Milpitas, CA 95035; 408-428-0330, 800-998-1000 (sales) or 408-428-9871 (fax)

TFLX
Telephone voice mail control that can handle all incoming or outgoing voice, touch-tone, slow-scan videophone and Fax on Demand applications
Macintosh Plus or larger; 2.5 MB of RAM; hard disk drive; touch-tone phone; RJ-11 analog jack; System 6.0.4 or later.
$495 to $1,750 retail
Magnum Software; 21115 Devonshire St., Ste. 337; Chatsworth, CA 91311; 818-701-5051 or 818-701-5459 (fax)

TurboDialer
Automatic phone dialer
Macintosh Plus or larger; System 6.0.4 or later; analog phone.
$69.95 retail
Micromachines; 7625 Hayvenhurst Ave., #30; Van Nuys, CA 91423; 818-901-1700 or 818-901-1729 (fax)

■ **Video Telephone System**
Video telephone system
Macintosh II or larger.
By pushing a button on the AT&T Picasso Phone, users can transfer a full-screen, full-resolution color video freeze frame to another Picasso Phone in 20 seconds, with no loss of picture quality, while they are speaking over normal (dial-up) phone lines. Uses can grab TV-quality video pictures from a camera, video-disc or incoming call; and store up to 32 pics in memory. Ready-to-use systems from IMS make video telecommunications work for users. These products enable users to acquire and send stock photos, medical x-rays or security pictures instantly over dial-up phone lines. IMS can help users convert odd-ball signals (medical imaging machines, for example) into standard NTSC or PAL video, connect with the computer to store and catalog important pictures or graphic designs, transmit and display live video for super detail and color fidelity, or start their own video mailbox. IMS provides consulting and complete video telcom systems worldwide.
Call for pricing
Image Management Systems, Inc.; 239 W. 15th St.; New York, NY 10011; 212-741-8765 or 212-243-2344 (fax)

VideoPlex
Bi-directional audio/video transceivers
Macintosh II or larger.
$695 retail
VideoLabs; 5270 W. 84th St.; Minneapolis, MN 55437; 612-897-1995 or 612-897-3597 (fax)

VISIT Video And VISIT Voice
Personal multimedia communications products that create powerful new capabilities for people who use a phone and computer
Macintosh II or larger; 8 MB of RAM for VISIT Video; 5 MB of RAM for VISIT Voice; System 7.0 or later; one NuBus slot required for VISIT Video 2.0.
$2,649 retail; VISIT Video 2.0 (black and white video)
$4,499 retail; VISIT Video 2.0 (color video)
$139 retail; VISIT Voice only
Site license program available for VISIT Voice; several connectivity options available
Northern Telecom, Inc.; 2221 Lakeside Blvd.; Richardson, TX 75083; 214-684-2924, 800-667-8437 or 214-684-3866 (fax)

Hardware & Peripherals/Storage Devices/Diskette Drives

A-Hive Jr. Floptical Drive
21 MB floptical drive
Macintosh Plus or larger.
$339 retail
Tulin Technology; 2156H O'Toole Ave.; San Jose, CA 95131; 408-432-9057 or 408-943-0782 (fax)

A-Hive Jr. SCSI Floppy Drive
Diskette drive
Macintosh Plus or larger.
$339 retail; 2 and 4 MB
Tulin Technology; 2156H O'Toole Ave.; San Jose, CA 95131; 408-432-9057 or 408-943-0782 (fax)

Apple External And Internal FDHD SuperDrive
1.4 MB disk drive
Macintosh SE, SE/30, Classic, IIcx, IIci or IIsi.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

EasyStor Ultra Low Profile Floptical Disk Drive
20.8 MB, 3.5-inch Floptical disk drive
Macintosh Plus or larger.
$450 retail
$475 retail; for PowerBook
Advance Storage Device Corp.; 2720 S. Hardy Dr., Ste. 3; Tempe, AZ 85282; 602-966-8200, 800-726-4622, 800-400-6972 (fax) or 602-966-5166 (fax)

Echo Drive
External disk drive
Macintosh Plus or larger.
$399 retail
Second Wave, Inc.; 2525 Wallingwood Dr., #13; Austin, TX 78746; 512-329-9283 or 512-329-9299 (fax)

IOMEGA MacFloptical
21 MB 3.5-inch Floptical subsystem drive
Macintosh Plus or larger; System 6.0.5 or later.
$599 retail; includes one disk
IOMEGA Corp.; 1821 W. 4000 South; Roy, UT 84067; 801-778-1000, 800-777-6654 or 801-778-3450 (fax)

IOMEGA PowerBook Floptical
21 MB 3.5-inch external Floptical drive
Macintosh PowerBook, Duo with DuoDock or Duo MiniDock.
$599 retail; includes one disk
IOMEGA Corp.; 1821 W. 4000 South; Roy, UT 84067; 801-778-1000, 800-777-6654 or 801-778-3450 (fax)

PLI Infinity Floptical 21MB
21 MB floptical drive
Macintosh Plus or larger.
$582 retail
$26 retail; Infinity Floptical Media
Peripheral Land, Inc.; 47421 Bayside Pkwy.; Fremont, CA 94538; 510-657-2211, 800-288-8754 or 510-683-9713 (fax)

Hardware & Peripherals/Storage Devices/Hard Disk Drives

1 + 1 Kit; 1 * 1 Kit
Internal and external hard disk installation kits
Macintosh Classic or larger.
$49 to $299 retail; 1 + 1 Kit (20 MB to 2 GB drive kits)
$199 to $450 retail; 1 * 1 Kit (20 MB to 2 GB drive kits)
Volume discounts are available
CharisMac Engineering, Inc.; 66 "D" P&S Ln.; Newcastle, CA 95658; 916-885-4420, 800-487-4420 or 916-885-1410 (fax)

A-Hive Drive Enclosures
Components for assembling hard drive or removable drive subsystems
Macintosh Plus or larger.
$99 retail; A-Hive I
$109 to $159 retail; A-Hive II
$159 retail; A-Hive III
$199 retail; A-Hive IV-2FH
$219 retail; A-Hive IV-4HH
$519 retail; A-Hive IV-4FH
$999 retail; A-Hive VIII-FH
Tulin Technology; 2156H O'Toole Ave.; San Jose, CA 95131; 408-432-9057 or 408-943-0782 (fax)

A-Hive Hard Drive
External hard drive subsystem
Macintosh Plus or larger.
$1,529 to $8,099 retail; 2 GB to 18 GB
Tulin Technology; 2156H O'Toole Ave.; San Jose, CA 95131; 408-432-9057 or 408-943-0782 (fax)

A-Hive Jr. Drive Enclosure
Components for assembling hard drive or removable drive subsystems
Macintosh Plus or larger.
$99 retail
Tulin Technology; 2156H O'Toole Ave.; San Jose, CA 95131; 408-432-9057 or 408-943-0782 (fax)

A-Hive Jr. External Hard Drives
Small external hard disk drives
Macintosh Plus or larger.
$389 to $1,879 retail; 340 MB to 2.1 GB
Tulin Technology; 2156H O'Toole Ave.; San Jose, CA 95131; 408-432-9057 or 408-943-0782 (fax)

Atom Series
Internal disk drives
Macintosh PowerBook 100 to 180c and Duo 210, 230,, 270c; System 7.0.1 or later.
Call for pricing; 200 and 340 MB
Procom Technology, Inc.; 2181 Dupont Dr.; Irvine, CA 92715; 714-852-1000, 800-800-8600 or 714-852-1221 (fax)

au-1
Fault tolerant disk array
Macintosh with available NuBus or PDS slot.
$5,195 to $40,939 retail
Seraph, Inc.; 11008 Greenbrier Rd.; Minneapolis, MN 55305; 612-525-5925, 800-721-7243 or 612-525-5926 (fax)

Centris 610 Internals
Internal hard disk drives
Macintosh Centris 610.
$645 to $1,475 retail; 240 to 520 MB
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

CMS MacStack 45 MB Removable Drive
Removable drive
Macintosh Plus or larger.
Call for pricing
CMS Enhancements; 2722 Michelson Dr.; Irvine, CA 92714; 714-222-6000 or 714-549-4004 (fax)

CMS MacStack Series
SCSI hard disk drive subsystems
Macintosh Plus or larger.
Call for pricing
CMS Enhancements; 2722 Michelson Dr.; Irvine, CA 92714; 714-222-6000 or 714-549-4004 (fax)

CMS MC Series
Internal hard disk drives
Macintosh Classic, LC or IIsi.
Call for pricing
CMS Enhancements; 2722 Michelson Dr.; Irvine, CA 92714; 714-222-6000 or 714-549-4004 (fax)

CMS Platinum Series External
Hard disk drives
Macintosh Plus or larger.
Call for pricing
CMS Enhancements; 2722 Michelson Dr.; Irvine, CA 92714; 714-222-6000 or 714-549-4004 (fax)

CMS Platinum Series Internal
Internal disk drives
Macintosh SE or larger.
Call for pricing
CMS Enhancements; 2722 Michelson Dr.; Irvine, CA 92714; 714-222-6000 or 714-549-4004 (fax)

CompuAdd DriveArray
Mainframe fault tolerance
Any Macintosh with a SCSI controller.
$7,495 to $25,995 retail
CompuAdd Corp.; 12303 Technology Blvd.; Austin, TX 78727; 800-627-1967 or 512-331-2863 (fax)

Concorde Series
External hard disk subsystems
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$2,299 to $6,899 street price
Optima Technology Corp.; 17526 Von Karman; Irvine, CA 92714; 714-476-0515 or 714-476-0613 (fax)

Core Internal Drive For The Macintosh
Internal hard disk drives
Macintosh Plus or larger.
$999 to $2,049 retail; 1 GB to 2 GB Ultrafast
Core International, Inc.; 7171 N. Federal Hwy.; Boca Raton, FL 33487; 407-997-6044, 800-688-9910 or 407-997-6055 (fax)

Core's Micro Array
Drive subsystems
Macintosh Plus or larger.
Call for pricing
Core International, Inc.; 7171 N. Federal Hwy.; Boca Raton, FL 33487; 407-997-6044, 800-688-9910 or 407-997-6055 (fax)

Corearray
Drive subsystems
Macintosh Plus or larger.
Call for pricing
Core International, Inc.; 7171 N. Federal Hwy.; Boca Raton, FL 33487; 407-997-6044, 800-688-9910 or 407-997-6055 (fax)

■ **Data Jockey**
Hard drive
Any Macintosh.
Data Jockey enables users to transfer large amounts of data without sacrificing speed or security between Macintosh workstations without the overhead of Ethernet. Its uses include moving large scanned images from a scanner workstation to a production workstation, then when production workstation is done, transfer data to an imagesetting workstation. Data Jockey comes in a variety of configurations: 500 MB, 1 GB, 2 GB or without drive to allow users to integrate existing 3.5-inch 1/2 or 1/3 height SCSI hard drives. Data Jockey comes with everything needed to get started, choice of SCSI cable, external terminator, control panel software for drive mounting and power cable.
$289 retail
Seraph, Inc.; 11008 Greenbrier Rd.; Minneapolis, MN 55305; 612-525-5925, 800-721-7243 or 612-525-5926 (fax)

■ **Diskcovery Array**
High-performance disk subsystems
Macintosh SE or larger; 1 MB of RAM; System 6.0.4 or later.
The Diskcovery 2000 Array, 4200 Array, 8200 Array and 18000 Array are dual-spindle, modular configurations consisting of two high-performance disk subsystems and have a capacity of 2, 4.2, 8.2 and 18 GB, respectively. The disk arrays are bundled with Optima's own SCSI Pump, an intelligent, 32-bit NuBus SCSI host adapter with striping software. Optima's NuBus host adapter provides advanced SCSI and RAID performance. Data integrity and reliability is increased with full Macintosh RAID levels 0, 1, 4 and 5. Included are multiple RAID levels within one array and volume spanning. If one of the disk array's drives fail, Optima's striping software will rebuild the failed drive's data onto the new drive. They are an ideal choice for multimedia and image editing applications.
$2,295 to $12,995 retail; 2 to 18 GB
Optima Technology Corp.; 17526 Von Karman; Irvine, CA 92714; 714-476-0515 or 714-476-0613 (fax)

DisKovery 44R And 85R
External removable magnetic cartridge
Macintosh Plus or larger; 1 MB of RAM; System 6.0.4 or later.
$539 and $799 street price
Optima Technology Corp.; 17526 Von Karman; Irvine, CA 92714; 714-476-0515 or 714-476-0613 (fax)

DisKovery Series
External hard disk subsystems
Macintosh Plus or larger; 1 MB of RAM.
$699 to $2,549 street price

These Products Available Through Bottom Line Distribution
1-800-347-1923

Optima Technology Corp.; 17526 Von Karman; Irvine, CA 92714; 714-476-0515 or 714-476-0613 (fax)

DK211C-51
2.5-inch Winchester disk drive
Macintosh Plus or larger.
Call for pricing
Hitachi America, Ltd.; Computer Division; 2000 Sierra Point Pkwy., MS 500; Brisbane, CA 94005; 415-589-8300, 800-448-2244 or 415-244-7647 (fax)

DK211C-68
2.5-inch Winchester disk drive
Macintosh Plus of larger.
Call for pricing
Hitachi America, Ltd.; Computer Division; 2000 Sierra Point Pkwy., MS 500; Brisbane, CA 94005; 415-589-8300, 800-448-2244 or 415-244-7647 (fax)

DK315 Series
3.5-inch Winchester disk drives
Macintosh Plus or larger.
Call for pricing
Hitachi America, Ltd.; Computer Division; 2000 Sierra Point Pkwy., MS 500; Brisbane, CA 94005; 415-589-8300, 800-448-2244 or 415-244-7647 (fax)

DK326C-10 Series
3.5-inch low-profile Winchester disk drives
Macintosh Plus or larger.
Call for pricing
Hitachi America, Ltd.; Computer Division; 2000 Sierra Point Pkwy., MS 500; Brisbane, CA 94005; 415-589-8300, 800-448-2244 or 415-244-7647 (fax)

DK326C-6 Series
3.5-inch low-profile Winchester disk drives
Macintosh Plus or larger.
Call for pricing
Hitachi America, Ltd.; Computer Division; 2000 Sierra Point Pkwy., MS 500; Brisbane, CA 94005; 415-589-8300, 800-448-2244 or 415-244-7647 (fax)

DK516C-16
5.25-inch Winchester disk drive
Macintosh Plus or larger.
Call for pricing
Hitachi America, Ltd.; Computer Division; 2000 Sierra Point Pkwy., MS 500; Brisbane, CA 94005; 415-589-8300, 800-448-2244 or 415-244-7647 (fax)

DK517C-37
5.25-inch Winchester disk drives
Macintosh Plus or larger.
Call for pricing
Hitachi America, Ltd.; Computer Division; 2000 Sierra Point Pkwy., MS 500; Brisbane, CA 94005; 415-589-8300, 800-448-2244 or 415-244-7647 (fax)

Duo Dock Series
Internal hard disk drives for Macintosh Duo Dock
Macintosh Duo Dock.
$575 to $1,475 retail; 240 to 520 MB
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

DynaTek HDA Series
Internal and external hard disk drives
Macintosh Classic or larger; System 6.0.7 or later.
$369 to $1,199 retail
DynaTek Automation Systems Inc.; 200 Bluewater Rd.; Bedford, Nova Scotia, Canada B4B 1G9; 902-832-3000 or 902-832-3010 (fax)

DynaTek NDD200 And NDD500
Network disk duplexer
Macintosh IIci, IIfx, Quadra 800 or Quadra 950; System 7.0 or later.
$10,199 to $14,799 retail; 1 GB to 2.4 GB
DynaTek Automation Systems Inc.; 200 Bluewater Rd.; Bedford, Nova Scotia, Canada B4B 1G9; 902-832-3000 or 902-832-3010 (fax)

DynaTek Raider
Disc array subsystem
Macintosh Quadra 800 or 950; System 7.0 or later.
Call for pricing
DynaTek Automation Systems Inc.; 200 Bluewater Rd.; Bedford, Nova Scotia, Canada B4B 1G9; 902-832-3000 or 902-832-3010 (fax)

DynaTek RMD88, RMD105 and RMD270
Removable media drive
Macintosh Classic or larger; System 6.0.7 or later.
$519 to $699 retail
DynaTek Automation Systems Inc.; 200 Bluewater Rd.; Bedford, Nova Scotia, Canada B4B 1G9; 902-832-3000 or 902-832-3010 (fax)

EasyStor External Hard Disk Drive Subsystem
External hard disk drives
Macintosh Plus or larger.
$340 to $2,450 retail; 120 MB to 2.0 GB
Advance Storage Device Corp.; 2720 S. Hardy Dr., Ste. 3; Tempe, AZ 85282; 602-966-8200, 800-726-4622, 800-400-6972 (fax) or 602-966-5166 (fax)

EasyStor Ultra Low Profile Removable Cartridge Disk Drive
105 MB removable cartridge
Macintosh Plus or larger.
$599 retail
$625 retail; for PowerBook
Advance Storage Device Corp.; 2720 S. Hardy Dr., Ste. 3; Tempe, AZ 85282; 602-966-8200, 800-726-4622, 800-400-6972 (fax) or 602-966-5166 (fax)

■ **Epson EHDD170-PCMCIA Hard Disk**
High-performance hard disk drive
Macintosh PowerBook or Duo with type III PCMCIA slot.
The Epson Model EHDD170 is a 1.8-inch high performance hard drive that is optimized for the PCMCIA-ATA removable standard used in notebook and palmtop computers. The 170 MB hard drive is preformatted for immediate use and comes with an attractive carrying pouch that provides additional protection against shock in the demanding mobile environment. The EHDD170 comes with Epson's standard two-year limited warranty and the company's Data Recovery Program (DRoP) for recapturing valuable data in the case of severe damage to the card.
$629 retail
Epson America, Inc.; 20770 Madrona Ave.; Torrance, CA 90503; 310-782-0770, 800-289-3776 or 310-782-4248 (fax)

Gemini Disk Array
Expandable external disk arrays
Macintosh with available NuBus or PDS slot.
$1,190 retail; RAID 0, 1 without drives
$4,189 retail; RAID 0, 1; 2 GB drive capacity
Seraph, Inc.; 11008 Greenbrier Rd.; Minneapolis, MN 55305; 612-525-5925, 800-721-7243 or 612-525-5926 (fax)

GigaTower Series
External dual disk drives
Macintosh Plus or larger (Macintosh II family recommended); System 6.0.8 or later.
$9,995 to $16,998 retail; up to 18.2 GB
Procom Technology, Inc.; 2181 Dupont Dr.; Irvine, CA 92715; 714-852-1000, 800-800-8600 or 714-852-1221 (fax)

Go•Drive GLS
2.5-inch hard disk drives
Macintosh PowerBook.
$240 to $430 suggested retail; 85 to 256 MB
Quantum Corp.; 500 McCarthy Blvd.; Milpitas, CA 95035; 408-894-4000, 800-624-5545 or 408-894-5088 (fax)

Half Shell
Portable hard disk drive
Macintosh Plus or larger, including Portable.
$279 to $329 retail; 170 MB to 270 MB
Tulin Technology; 2156H O'Toole Ave.; San Jose, CA 95131; 408-432-9057 or 408-943-0782 (fax)

Hammer Externals
External hard disk drives
Macintosh Plus or larger.
$2,079 to $3,895 retail; 525 to 2000 MB
FWB, Inc.; 2040 Polk St., Ste. 215; San Francisco, CA 94109; 415-474-8055 or 415-775-2125 (fax)

Hammer Internals
Internal hard disk drives
Macintosh II, IIx, IIfx, Centris or Quadra.
$399 to $6,199 retail; 80 to 2,800 MB
FWB, Inc.; 2040 Polk St., Ste. 215; San Francisco, CA 94109; 415-474-8055 or 415-775-2125 (fax)

Hammer is
Internal SCSI storage subsystems
Macintosh SE or II.
$399 to $1,749 retail; 80 to 525 MB
FWB, Inc.; 2040 Polk St., Ste. 215; San Francisco, CA 94109; 415-474-8055 or 415-775-2125 (fax)

HammerDisk Removable Storage Systems
Removable storage systems
Macintosh Plus or larger; 1 MB of RAM; System 6.0.3 or later.
$649 to $1,299 retail
FWB, Inc.; 2040 Polk St., Ste. 215; San Francisco, CA 94109; 415-474-8055 or 415-775-2125 (fax)

HammerFMF
External SCSI hard disk drives
Macintosh Plus or larger.
$2,299 to $6,299 retail
FWB, Inc.; 2040 Polk St., Ste. 215; San Francisco, CA 94109; 415-474-8055 or 415-775-2125 (fax)

HammerPB Series
Upgrade drives
Macintosh PowerBook.
$599 to $869 retail; 80 to 210 MB
$139 retail; external enclosure
FWB, Inc.; 2040 Polk St., Ste. 215; San Francisco, CA 94109; 415-474-8055 or 415-775-2125 (fax)

Hardpac
Portable and pocket drives
Macintosh Plus or larger.
$400 to $800 U.S. ($500 to $1,000 Canada) retail
Mindflight Technology Inc.; 3700 Gilmore Way, Ste. 209; Burnaby, BC, Canada V5G 4M1; 604-434-6463, 800-263-3888 or 604-434-4575 (fax)

HDD External Case
External hard disk drive case
Macintosh Plus or larger.
$99 to $125 retail
Dynamic Engineering; 435 Park Dr.; Ben Lomond, CA 95005; 408-336-5531 or 408-336-3840 (fax)

Hermit Crab
Portable hard drive
Macintosh Plus or larger.
$279 to $339 retail; 170 to 270 MB
Tulin Technology; 2156H O'Toole Ave.; San Jose, CA 95131; 408-432-9057 or 408-943-0782 (fax)

IncreMeg
High-performance 3.5-inch hard disk drives
Macintosh Plus or larger.
$956 to $3,063 retail; 127 MB to 2.0 GB
Lockheed MountainGate Data Systems; 9393 Gateway Dr.; Reno, CA 89511; 702-851-9393, 800-556-0222 or 702-851-5533 (fax)

Index Hard Disk Drives
SCSI hard disk drives
Macintosh Plus or larger; System 6.0.7 or later.
Call for current pricing
Memory Technologies, Texas Inc.; 3007 N. Lamar; Austin, TX 78705; 512-451-2600, 800-950-8411 (orders) or 512-451-3323 (fax)

IOMEGA Bernoulli MultiDisk 150
Removable disk drive
Macintosh Plus or larger; System 6.0.5 or later.
$589 to $1,299 retail; includes one disk
IOMEGA Corp.; 1821 W. 4000 South; Roy, UT 84067; 801-778-1000, 800-777-6654 or 801-778-3450 (fax)

La Cie Cirrus Drives
Hard disk drives
Macintosh Plus or larger.
Call for pricing
La Cie, Ltd.; 8700 SW Creekside Pl.; Beaverton, OR 97005; 503-520-9000, 800-999-0143 or 503-520-9100 (fax)

La Cie ExpressDrive
Erasable, removable storage
Macintosh Plus or larger.
$399 retail; chassis
$349 to $819 retail; 50 to 240 MB
La Cie, Ltd.; 8700 SW Creekside Pl.; Beaverton, OR 97005; 503-520-9000, 800-999-0143 or 503-520-9100 (fax)

La Cie PocketDrive
Portable hard disk drives
Macintosh Plus or larger.
$299 to $729 retail; 40 to 160 MB
La Cie, Ltd.; 8700 SW Creekside Pl.; Beaverton, OR 97005; 503-520-9000, 800-999-0143 or 503-520-9100 (fax)

La Cie Tsunami
Hard disk drives
Macintosh Plus or larger.
Call for pricing
La Cie, Ltd.; 8700 SW Creekside Pl.; Beaverton, OR 97005; 503-520-9000, 800-999-0143 or 503-520-9100 (fax)

La Cie Zero Footprint Drives
Hard disk drives
Macintosh Plus or larger.
Call for pricing
La Cie, Ltd.; 8700 SW Creekside Pl.; Beaverton, OR 97005; 503-520-9000, 800-999-0143 or 503-520-9100 (fax)

■ **LANForce-5**
External disk array
Macintosh Plus or larger; System 7.0.1 or later.
LANForce-5 is an external disk array subsystem that supports RAID Levels 0, 1, 3 and 5 with its built-in array processor. Because it is a hardware-based approach to RAID, the network server's performance is not compromised by having to handle array functions. Full support is provided for SCSI Manager 4.3, which offers 4.3 MB/sec transfer rates. LANForce-5 supports seven Fast SCSI-2 drives and one additional 3.5-inch, half-height drive. Should a drive fail, LANForce-5 reconstructs data from parity or mirrored data written to other drives in the RAID configuration. The drives, power supplies and fans may be "hot-swapped." Hot and warm sparing is also supported. The basic LANForce-5 includes three fans, two power supplies, three hard drives in 535 MB to 2.1 GB capacities and adaptive cache feature, which offers 0 to 32 MB cache.
$11,995 to $26,795 retail
Procom Technology, Inc.; 2181 Dupont Dr.; Irvine, CA 92715; 714-852-1000, 800-800-8600 or 714-852-1221 (fax)

Liberty 10 Series
Portable hard disk drives
Macintosh Plus or larger.
$499 starting price retail; 85 to 160 MB
Liberty Systems, Inc.; 160 Saratoga Ave., Ste. 38; Santa Clara, CA 95051; 408-983-1127 or 408-243-2885 (fax)

Liberty 115 Series
Portable, removable HDD cartridge drive
Macintosh Plus or larger.
$599 starting price retail; 44 to 150 MB
Liberty Systems, Inc.; 160 Saratoga Ave., Ste. 38; Santa Clara, CA 95051; 408-983-1127 or 408-243-2885 (fax)

Liberty 20 Series
Portable hard disk drives
Macintosh Plus or larger.
$699 starting price retail; 85 to 160 MB
Liberty Systems, Inc.; 160 Saratoga Ave., Ste. 38; Santa Clara, CA 95051; 408-983-1127 or 408-243-2885 (fax)

Liberty 30 Series
Portable hard disk drives with removable cartridges
Macintosh Plus or larger.
$799 starting price retail; 85 to 160 MB
Liberty Systems, Inc.; 160 Saratoga Ave., Ste. 38; Santa Clara, CA 95051; 408-983-1127 or 408-243-2885 (fax)

Liberty 50, 70 And 225 Series
Portable hard disk drives
Macintosh Plus or larger.
$599 starting price retail; 50 Series (85 MB to 525 MB)
$1,699 starting price retail; 70 Series (870 MB to 1.2 GB)
$3,499 starting price retail; 225 Series (2.4 GB to 3.4 GB)
Liberty Systems, Inc.; 160 Saratoga Ave., Ste. 38; Santa Clara, CA 95051; 408-983-1127 or 408-243-2885 (fax)

Littleneck
Pocket hard drives
Macintosh Plus or larger.
$299 to $449 retail; 80 to 250 MB
Tulin Technology; 2156H O'Toole Ave.; San Jose, CA 95131; 408-432-9057 or 408-943-0782 (fax)

MacBottom HD SCSI Drives
External SCSI hard disk drives
Macintosh Plus or larger.
$199 starting price retail
Personal Computer Peripherals Corp. (PCPC); 1956 Whitney Way; Clearwater, FL 34620; 813-530-0123, 800-622-2888 (sales) or 813-532-6741 (fax)

Macintosh Portable Hard Drives
Replacement hard drives
Macintosh Portable.
$259 to $879 retail; 170 MB to 1 GB
Tulin Technology; 2156H O'Toole Ave.; San Jose, CA 95131; 408-432-9057 or 408-943-0782 (fax)

MacLite
Internal hard disk drives
Macintosh Portable.
Call for pricing
CMS Enhancements; 2722 Michelson Dr.; Irvine, CA 92714; 714-222-6000 or 714-549-4004 (fax)

MacPortaDrive
Portable hard disk drive
Macintosh Plus or larger.
$399 to $1,899 retail; 40 to 600 MB
Infotek, Inc.; 56 Camille; E. Patchogue, NY 11772; 516-289-9682

■ **Magic 1.0 GB Spitfire**
Hard disk drive
Macintosh Plus or larger.
The Magic 1.0 GB Spitfire Hard Drive offers an average access time of 8.5ms and a 512 KB buffer. The drive includes Anubis formatting software, SCSI and power cables and a one-year warranty.
$800 retail
MacProducts USA; 608 W. 22nd St.; Austin, TX 78705; 512-472-8881 or 512-499-0889 (fax)

■ **Magic 105R SyQuest**
SyQuest drive
Macintosh Plus or larger.
The Magic 105R SyQuest utilizes a smaller cartridge for easy storage. It provides data transfer rates as fast as 4 MB/sec and is available externally in a small zero-footprint case. It includes one cartridge, a 30-day money-back guarantee and a full one-year warranty. It provides convenient primary and secondary storage on one device.
$549 retail
MacProducts USA; 608 W. 22nd St.; Austin, TX 78705; 512-472-8881 or 512-499-0889 (fax)

■ **Magic Hard Disk Drives**
Full- and half-height hard disk drives
Macintosh Plus or larger.
The Magic 9 GB full-height external hard drive has a formatted capacity of 9.0 GB and offers a transfer rate of 10 MB/sec and a seek time as fast as 12ms. It includes Anubis formatting software, SCSI and power cables and a five-year warranty.
The Magic 1.2 Hard Drive is a half-height drive utilizing a SCSI interface and offering an average access time of 9.2ms, transfer rate of 10 MB/sec and a cache size of 256 KB. The drive's MTBF is 150,000 POH. It includes Anubis formatting software, SCSI and power cables and a five-year warranty.
The Magic 540 MB Hard Drive is a half-height drive utilizing a SCSI-2 interface and offering an average access time of 8.5ms and a cache size of 256 KB. The drive's MTBF is 300,000 POH. It includes Anubis formatting software, SCSI and power cables, and a five-year warranty.
$700 to $4,599 retail; 540 MB to 9 GB
MacProducts USA; 608 W. 22nd St.; Austin, TX 78705; 512-472-8881 or 512-499-0889 (fax)

MD/MDT Series
External hard disk drives
Macintosh Plus or larger; System 6.0.8 or later.
$695 to $6,295 retail; 240 MB to 9 GB
Procom Technology, Inc.; 2181 Dupont Dr.; Irvine, CA 92715; 714-852-1000, 800-800-8600 or 714-852-1221 (fax)

Mercury Removable Hard Drives
40 MB to 2 GB portable drive systems
Macintosh Plus or larger; System 6.0 or later.
$300 to $6,000 retail
Mega Drive Systems, Inc.; 489 S. Robertson Blvd.; Beverly Hills, CA 90211; 310-247-0006, 800-322-4744 or 310-247-8118 (fax)

Micro-IIv/650 Series
Internal hard disk drives
Macintosh IIvx, IIvi, Performa 600 or Centris 650.
$1,275 to $2,295 retail; 515 to 1,186 MB
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

Micro/950-Internals And Micro/800-Internals
Internal hard disk drives
Macintosh Quadra 800/840AV or 900/950.
$575 to $4,395 retail; 240 to 2,780 MB (Quadra 900/950)
$575 to $3,545 retail; 240 to 2,037 MB (Quadra 800/840AV)
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

Micro/DataShuttle
Removable drive canisters
Macintosh Plus or larger.
$2,475 to $4,545 retail; 518 to 2,050 MB
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

Micro/IIci-Q7i
Internal hard disk drives
Macintosh IIcx, IIci and Quadra 700.
$575 to $2,295 retail; 240 to 1,186 MB
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

Micro/Max Series
External SCSI hard disk drives
Macintosh Plus or larger.
$775 to $4,895 retail; 240 to 2,780 MB
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

Micro/Raven·030
Two-drive disk array systems
Macintosh II family.
$3,550 to $4,490 retail; 1,030 to 2,024 MB
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

Micro/Raven·800
Internal/external two-drive disk arrays
Macintosh Quadra 800/840AV.
$1,575 to $10,090 retail; 1,030 to 5,560 MB
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

Micro/Removable
Removable cartridge hard disk drives
Macintosh Plus or larger.
$795 retail; MR-90c

$1,590 retail; SB-9090c
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

Micro/SE Series
3.5-inch internal hard disk drives
Macintosh SE or larger.
$575 to $2,295 retail; 240 to 1,186 MB
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

Micro/Stack Series
External hard disk systems
Macintosh Plus or larger.
$625 to $995 retail; 124 to 340 MB
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

Micro/Sync Series — Single Hard Drive NuPort SCSI-2 Systems
Full-height and half-height external hard disk drives
Macintosh II family.
$1,975 to $5,195 retail; 518 to 2,780 MB
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

MicroClassic And Micro/IIsi-LC
Internal hard disk drives
Macintosh Classic, LC or IIsi.
$425 to $795 retail; 124 to 340 MB
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

Micropolis 2200 AV Series
High-capacity digital A/V disk drives
Macintosh Plus or larger.
$1,640 to $2,440 retail; 1.05 GB to 1.75 GB
Micropolis Corp.; 21211 Nordhoff St.; Chatsworth, CA 91311; 818-709-3300 or 881-709-3497 (fax)

Micropolis Super-Capacity Drives
Hard disk drives
Macintosh II or larger.
$1,173 to $3,991 retail; 560 MB to 3 GB
Micropolis Corp.; 21211 Nordhoff St.; Chatsworth, CA 91311; 818-709-3300 or 881-709-3497 (fax)

Microtech Drives
External and internal hard disk drives
Macintosh Plus or larger.
$299 to $2,829 retail; 100 MB to 4 GB
Microtech International, Inc.; 158 Commerce St.; East Haven, CT 06512; 203-468-6223, 800-626-4276 or 203-467-1856 (fax)

Microtech Roadrunner Drives
160, 200, 250, 320 and 500 MB internal hard disk drives
Macintosh PowerBook.
$349 to $929 retail
Microtech International, Inc.; 158 Commerce St.; East Haven, CT 06512; 203-468-6223, 800-626-4276 or 203-467-1856 (fax)

■ **Microtech RS200**
Removable cartridge drive
Macintosh Plus or larger.
The Microtech RS200 is a high-performance removable drive. It is able to read and write 44, 88 and 200 MB 5.25-inch SyQuest cartridges. The RS200 is a solid performing drive with an access time of 18ms. The Microtech RS270 is a 3.5-inch removable cartridge drive and is able to read and write 105 and 270 MB 3.25-inch SyQuest cartridges.
Call for pricing
Microtech International, Inc.; 158 Commerce St.; East Haven, CT 06512; 203-468-6223, 800-626-4276 or 203-467-1856 (fax)

Millennium X Removable Hard Drives
40 MB to 2 GB portable drive systems
Macintosh Plus or larger; System 6.0 or later.
$300 to $6,000 retail
Mega Drive Systems, Inc.; 489 S. Robertson Blvd.; Beverly Hills, CA 90211; 310-247-0006, 800-322-4744 or 310-247-8118 (fax)

MiniPak Series
External hard disk subsystems
Macintosh Plus or larger; System 6.0.4 or later.
$575 starting street price
Optima Technology Corp.; 17526 Von Karman; Irvine, CA 92714; 714-476-0515 or 714-476-0613 (fax)

MR/RAID Series Disk Arrays
2 GB to 1,050 GB high-performance, fault tolerant mass storage
Macintosh Plus or larger; System 6.0 or later.
$20,000 to $250,000 retail
Mega Drive Systems, Inc.; 489 S. Robertson Blvd.; Beverly Hills, CA 90211; 310-247-0006, 800-322-4744 or 310-247-8118 (fax)

MRD Series
Removable media disk drive
Macintosh Plus or larger; System 6.0.8 or later.
$695 to $799 retail
Procom Technology, Inc.; 2181 Dupont Dr.; Irvine, CA 92715; 714-852-1000, 800-800-8600 or 714-852-1221 (fax)

NuPlex Disk Duplexing System
High-speed disk backup
Macintosh II family.
Call for pricing
CMS Enhancements; 2722 Michelson Dr.; Irvine, CA 92714; 714-222-6000 or 714-549-4004 (fax)

■ **Personal Array**
External disk array
Macintosh Plus or larger; System 7.0.1 or later.
The Personal Array is a high-performance external disk array subsystem. Available in models ranging from 1 GB to 2.6 GB, it consists of two Fast SCSI-2 drives in a modular, desktop enclosure. The Personal Array supports striping (RAID Level 0), mirroring (RAID Level 1) and striping plus mirroring (RAID Level 10). SCSI Manager 4.3 is also supported, making the arrays ideal for Macintosh AV systems. The modular design allows a maximum of four additional storage modules to be easily connected to the base unit. The base unit includes two hard drive modules, power supply module, cooling module, Personal Array Manager software and SCSI cabling.
$2,995 to $4,495 retail
Procom Technology, Inc.; 2181 Dupont Dr.; Irvine, CA 92715; 714-852-1000, 800-800-8600 or 714-852-1221 (fax)

PLI Infinity 105 Turbo
3.5-inch removable cartridge drive
Macintosh Plus or larger.
Call for pricing
Peripheral Land, Inc.; 47421 Bayside Pkwy.; Fremont, CA 94538; 510-657-2211, 800-288-8754 or 510-683-9713 (fax)

PLI Infinity 270 Turbo
Removable cartridge drive
Macintosh Plus or larger.
$699 retail
Peripheral Land, Inc.; 47421 Bayside Pkwy.; Fremont, CA 94538; 510-657-2211, 800-288-8754 or 510-683-9713 (fax)

PLI Infinity 40 MB
44 MB removable cartridge drives
Macintosh Plus or larger.
$369 retail; Infinity 40 Removable
$70 retail; PLI 40 Cartridge
Peripheral Land, Inc.; 47421 Bayside Pkwy.; Fremont, CA 94538; 510-657-2211, 800-288-8754 or 510-683-9713 (fax)

PLI Infinity 88/RW44
5.25-inch removable cartridge drive
Macintosh Plus or larger.
$587 retail
$90 retail; cartridge
Peripheral Land, Inc.; 47421 Bayside Pkwy.; Fremont, CA 94538; 510-657-2211, 800-288-8754 or 510-683-9713 (fax)

PLI MiniArray
Disk array
Macintosh II or Quadra.
$3,100 to $4,393 retail; 1 GB to 2 GB
Peripheral Land, Inc.; 47421 Bayside Pkwy.; Fremont, CA 94538; 510-657-2211, 800-288-8754 or 510-683-9713 (fax)

PLI Turbo Drives
External hard disk drives
Macintosh Plus or larger.
$414 to $2,574 retail
$54 retail; PLI Drive Briefcase
Peripheral Land, Inc.; 47421 Bayside Pkwy.; Fremont, CA 94538; 510-657-2211, 800-288-8754 or 510-683-9713 (fax)

PLI Universal Internal Drives
Internal hard disk drives
Macintosh SE or II.
$416 to $2,574 retail; 170 MB to 2.1 GB
Peripheral Land, Inc.; 47421 Bayside Pkwy.; Fremont, CA 94538; 510-657-2211, 800-288-8754 or 510-683-9713 (fax)

PocketHammer
External SCSI storage subsystems
Macintosh Plus or larger.
$599 to $1,769 retail; 80 to 525 MB
FWB, Inc.; 2040 Polk St., Ste. 215; San Francisco, CA 94109; 415-474-8055 or 415-775-2125 (fax)

Portable HDD
Internal hard drive upgrades
Macintosh Portable.
$249 starting price retail; varies with drive size
Dynamic Engineering; 435 Park Dr.; Ben Lomond, CA 95005; 408-336-5531 or 408-336-3840 (fax)

Procom Internal Series
Internal disk drives
Macintosh Classic or larger, except Quadra 900/950.
$495 to $2,595 retail; 240 MB to 2.1 GB
Procom Technology, Inc.; 2181 Dupont Dr.; Irvine, CA 92715; 714-852-1000, 800-800-8600 or 714-852-1221 (fax)

ProDrive LPS
3.5-inch hard disk drives
Macintosh Plus or larger.
$230 to $715 suggested retail; 127 to 540 MB
Quantum Corp.; 500 McCarthy Blvd.; Milpitas, CA 95035; 408-894-4000, 800-624-5545 or 408-894-5088 (fax)

QuaDrive Series
Internal disk drives
Macintosh Quadra 900 or 950; System 7.0.1 or later.
$595 to $6,195 retail; 240 MB to 4.36 GB
Procom Technology, Inc.; 2181 Dupont Dr.; Irvine, CA 92715; 714-852-1000, 800-800-8600 or 714-852-1221 (fax)

■ **Quantum Daytona**
Hard disk drive for notebook computers
Any Macintosh notebook computer.
The Quantum Daytona is a lightweight, fast, advanced 2.5-inch hard disk drive designed for battery-powered notebook computers. It is available from 85 to 514 MB with embedded SCSI or IDE-AT controllers. The Daytona combines fast time-to-data and sustained data transfer rates with low power consumption. Fast spin-up times help prolong battery power, and ECC on-the-fly minimizes the impact of errors on throughput. It also includes Quantum's proprietary DisCache and WriteCache firmware.
Call for pricing
Quantum Corp.; 500 McCarthy Blvd.; Milpitas, CA 95035; 408-894-4000, 800-624-5545 or 408-894-5088 (fax)

Quantum Empire
3.5-inch hard disk drives
Macintosh Plus or larger.
$1,000 to $1,800 suggested retail; 540 MB to 2.16 GB
Quantum Corp.; 500 McCarthy Blvd.; Milpitas, CA 95035; 408-894-4000, 800-624-5545 or 408-894-5088 (fax)

■ **Quantum Grand Prix**
7,200 rpm hard disk drive
Any Macintosh.
The Quantum Grand Prix family of 7,200 rpm, high-capacity 3.5-inch hard disk drives offers high performance and reliability. With formatted storage capacities of 2.1 GB and 4.2 GB, internal data rates of 9.7 MB/sec and 800,000 hour MTBF, the drives are designed for high-performance servers, disk arrays, workstations and other high-end computers.
$2,500 retail; 4G
Quantum Corp.; 500 McCarthy Blvd.; Milpitas, CA 95035; 408-894-4000, 800-624-5545 or 408-894-5088 (fax)

■ **Quantum Lightning**
3.5-inch hard disk drives
Any Macintosh.
The Quantum Lightning 3.5-inch hard disk drives are high-performance, high-capacity devices available in capacities of 365, 540 and 730 MB.
$265 to $499 retail; 365 to 730 MB
Quantum Corp.; 500 McCarthy Blvd.; Milpitas, CA 95035; 408-894-4000, 800-624-5545 or 408-894-5088 (fax)

■ **Quantum Maverick**
3.5-inch hard disk drive
Any Macintosh.
The Quantum Maverick 3.5-inch hard disk drive offers cost-conscious users 270 MB and 540 MB of storage, a broad array of performance, reliability and power-saving features. The drives, based on Quantum's ProDrive LPS Series, have innovative hardware and firmware features and an improved data rate that enhance performance. The AT versions of the drives support Local Bus IDE and Fast Multiword DMA, while the SCSI versions support Fast SCSI for higher overall system performance.
$210 to $375 suggested retail; 270 to 540 MB
Quantum Corp.; 500 McCarthy Blvd.; Milpitas, CA 95035; 408-894-4000, 800-624-5545 or 408-894-5088 (fax)

RAMDisk
Adds solid state disk to the SCSI port of a Macintosh, workstation or file server system
SCSI port on computer.
$6,650 retail
Andromeda Systems Inc.; 9000 Eton Ave.; Canoga Park, CA 91304; 818-709-7600 or 818-709-7407 (fax)

RapidDrive
Solid-state storage device
Macintosh II or Quadra family.
£1,560 to £9,995 retail; 16 MB to 176 MB
Neutral Ltd.; 633 High Rd.; Seven Kings, Ilford; Essex, England 1G3 8RA; 44-81-599-9902 or 44-81-590-6365 (fax)

Raven·040 Internal/External Disk Arrays
Internal/external two-drive disk arrays
Macintosh Quadra 900/950.
$2,550 to $9,790 retail; 1,030 to 5,560 MB
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

Relax Macintosh Internals
Internal hard disk drives
Macintosh SE or larger.
$549 to $2,599 retail; 540 MB to 3.5 GB
Relax Technology, Inc.; 3101 Whipple Rd.; Union City, CA 94587; 510-471-6112 or 510-471-6267 (fax)

Relax Sierra And Pocket Drives
Portable hard disk drives
Macintosh Plus or larger.
$589 to $1,099 retail; Sierra
$589 to $1,099 retail; Pocket
Relax Technology, Inc.; 3101 Whipple Rd.; Union City, CA 94587; 510-471-6112 or 510-471-6267 (fax)

Relax Vista
Removable cartridges
Macintosh Plus or larger.
$299 to $699 retail
$63 to $99 retail; cartridge
Relax Technology, Inc.; 3101 Whipple Rd.; Union City, CA 94587; 510-471-6112 or 510-471-6267 (fax)

Relax Vista Hard Drives
SCSI imbedded hard disk drives
Macintosh Plus or larger.
$589 to $2,499 retail; 540 MB to 3.5 GB
Relax Technology, Inc.; 3101 Whipple Rd.; Union City, CA 94587; 510-471-6112 or 510-471-6267 (fax)

Removable Cartridge Drive
Removable drive
Macintosh Plus or larger.
$409 to $559 retail
$57 to $81 retail; 44, 88, 200, 105 and 270 MB cartridge
Tulin Technology; 2156H O'Toole Ave.; San Jose, CA 95131; 408-432-9057 or 408-943-0782 (fax)

Roadrunner DataXpress
External case kit
Any Macintosh, except Plus.
$79 retail; Xpress AC
$159 retail; Xpress AC/DC
Microtech International, Inc.; 158 Commerce St.; East Haven, CT 06512; 203-468-6223, 800-626-4276 or 203-467-1856 (fax)

SCSI Dart
SCSI RAM disk drive
Macintosh Plus or larger.
$2,465 to $30,075 retail; 2 to 448 MB
Newer Technology; 7803 E. Osie, Ste. 105; Wichita, KS 67207; 316-685-4904, 800-678-3726 or 316-685-9368 (fax)

SCSI-II Dart
SCSI-2 RAM drive
Macintosh Plus or larger.
$4,700 to $28,001 retail; 4 to 512 MB
Newer Technology; 7803 E. Osie, Ste. 105; Wichita, KS 67207; 316-685-4904, 800-678-3726 or 316-685-9368 (fax)

SiliconCache
Advanced SCSI-2 hardware cache
Macintosh II or larger.
$6,995 starting price retail; 32 MB of cache memory
ATTO Technology, Inc.; Audubon Technology Park; 40 Hazelwood, #106; Amherst, NY 14228; 716-691-1999 or 716-691-9353 (fax)

SiliconDisk
High-speed mass storage accelerator subsystem
Macintosh II family.
$2,695 starting price retail; dependent on memory configurations and base unit
ATTO Technology, Inc.; Audubon Technology Park; 40 Hazelwood, #106; Amherst, NY 14228; 716-691-1999 or 716-691-9353 (fax)

SR1/SR2
Fault-tolerant SCSI disk arrays
Macintosh Plus or larger; System 7.1 or later.
$16,995 starting price retail
Conley Corp.; 420 Lexington Ave., 10th Fl.; New York, NY 10017; 212-979-8824 or 212-741-9296 (fax)

Transoft DataDock
Disk array subsystem
Macintosh Plus or larger.
$6,950 retail
Business Edge; 20250 Acacia St., Ste. 160; Santa Ana Heights, CA 92707; 800-386-3343 or 714-476-7551 (fax)

Tranzpak
Removable storage subsystems
Macintosh Plus or larger; System 6.0 or later.
Call for pricing
Z Microsystems, Inc.; 2382 Faraday Ave., Ste. 150; Carlsbad, CA 92008; 619-431-5290 or 619-431-5750 (fax)

UltraDrive Si
Internal disk drives
Macintosh Plus or larger.
$529 to $1,899 retail; 50 to 420 MB
GCC Technologies, Inc.; 209 Burlington Rd.; Bedford, MA 01730; 617-275-5800, 800-422-7777 or 617-275-1115 (fax)

UltraDrive X
Hard disk drives
Macintosh Plus or larger.
$2,599 to $5,199 retail
GCC Technologies, Inc.; 209 Burlington Rd.; Bedford, MA 01730; 617-275-5800, 800-422-7777 or 617-275-1115 (fax)

UltraDrive; UltraDrive S
External disk drives
Macintosh Plus or larger.
$479 to $549 retail; UltraDrive (45 to 80 MB)
$529 to $1,899 retail; UltraDrive S (50 to 420 MB)
GCC Technologies, Inc.; 209 Burlington Rd.; Bedford, MA 01730; 617-275-5800, 800-422-7777 or 617-275-1115 (fax)

Hardware & Peripherals/Storage Devices/Hard Disk/Tape Backup Combos

adambyte powerbox
Mobile hard disk/tape backup or floptical drive combo for PowerBooks
Macintosh PowerBook.
$1,449 to $2,499 retail; 200 to 500 MB hard disk drive/155 MB tape backup or 21 MB floptical drive
adambyte; 2672 Bayshore Pkwy., Ste. 1045; Mountain View, CA 94043; 415-988-1415 or 415-988-1418 (fax)

Collegiate Pack And Collegiate Pack Extended Series
Transportable hard disk and tape backup
Macintosh Plus or larger.
$595 to $4,395 retail
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

DynaTek MLS520 And MLS1.2 Multi-Layer Server
Combination hard disk, digital audio tape and rewritable storage
Macintosh SE/30 or larger; System 6.0.7 or later.
$9,699 to $12,999 retail
DynaTek Automation Systems Inc.; 200 Bluewater Rd.; Bedford, Nova Scotia, Canada B4B 1G9; 902-832-3000 or 902-832-3010 (fax)

Memorybank II
High-capacity hard disk/tape backup subsystem featuring up to 6 GB disk and 5 GB tape designed for Macintosh networks
Macintosh Plus or larger.
$4,720 to $15,520 retail
Memorybank Inc.; 2223 Packard Rd., Ste. 12; Ann Arbor, MI 48104; 313-761-2782, 800-562-7593 or 313-761-3263 (fax)

Novastor NST
Streaming cartridge tape drive with 150 MB or 300 MB of storage
Macintosh Plus or larger.
$495 to $1,995 retail
Novastor Corp.; 30961 Agoura Rd., Ste. 109; Westlake Village, CA 91361; 818-707-9900 or 818-707-9902 (fax)

Hardware & Peripherals/Storage Devices/Optical & CD-ROM Drives

A-Hive Jr. Optical Drive
128 MB magneto-optical drive
Macintosh Plus or larger.
$799 retail
Tulin Technology; 2156H O'Toole Ave.; San Jose, CA 95131; 408-432-9057 or 408-943-0782 (fax)

Access CD Turbo-6/Pak
CD-ROM changer
Macintosh Plus or larger.
$1,529 retail

These Products Available Through Bottom Line Distribution
1-800-347-1923

Optical Access International, Inc.; 500 W. Cummings Park, Ste. 3250; Woburn, MA 01801; 617-937-3910, 800-433-5133 or 617-937-3950 (fax)

Access CD/Allegro
CD-ROM drive
Macintosh Plus or larger.
$659 retail
Optical Access International, Inc.; 500 W. Cummings Park, Ste. 3250; Woburn, MA 01801; 617-937-3910, 800-433-5133 or 617-937-3950 (fax)

Access CD/Bundle
CD-ROM multimedia bundle
Macintosh Plus or larger.
$200 retail; with purchase of an Optical Access CD-ROM drive
Optical Access International, Inc.; 500 W. Cummings Park, Ste. 3250; Woburn, MA 01801; 617-937-3910, 800-433-5133 or 617-937-3950 (fax)

Access CD/Performer
CD-ROM drive
Macintosh Plus or larger.
$499 retail
Optical Access International, Inc.; 500 W. Cummings Park, Ste. 3250; Woburn, MA 01801; 617-937-3910, 800-433-5133 or 617-937-3950 (fax)

Access MF/Gigabyte
Multifunction optical drive
Macintosh Plus or larger.
$3,995 retail
Optical Access International, Inc.; 500 W. Cummings Park, Ste. 3250; Woburn, MA 01801; 617-937-3910, 800-433-5133 or 617-937-3950 (fax)

Access RD/Aria
Rewritable optical drive
Macintosh Plus or larger.
$999 retail
Optical Access International, Inc.; 500 W. Cummings Park, Ste. 3250; Woburn, MA 01801; 617-937-3910, 800-433-5133 or 617-937-3950 (fax)

Alpine-120GB
5.25-inch desktop optical library system
Macintosh Plus or larger.
$49,995 retail
Pinnacle Micro; 19 Technology; Irvine, CA 92718; 714-727-3300, 800-553-7070 or 714-727-1913 (fax)

Alta-20GB
5.25-inch desktop optical library system
Macintosh Plus or larger.
$9,995 retail
Pinnacle Micro; 19 Technology; Irvine, CA 92718; 714-727-3300, 800-553-7070 or 714-727-1913 (fax)

Anubis Optical Jukebox Drives
SCSI optical jukeboxes
Macintosh SE or larger.
$7,995 to $25,000 retail
CharisMac Engineering, Inc.; 66 "D" P&S Ln.; Newcastle, CA 95658; 916-885-4420, 800-487-4420 or 916-885-1410 (fax)

AppleCD 300e Plus And AppleCD 300i Plus
Double-speed CD-ROM players
Macintosh Plus or larger, including Power Macintosh; System 6.0.7 or later.
Call for pricing
Apple Computer, Inc.; 1 Infinite Loop; Cupertino, CA 95014; 408-996-1010 or 800-776-2333

Aspen-40GB
5.25-inch desktop optical library system
Macintosh Plus or larger.
$19,995 retail
Pinnacle Micro; 19 Technology; Irvine, CA 92718; 714-727-3300, 800-553-7070 or 714-727-1913 (fax)

CacheMaster
Adds cache memory to the SCSI port, on computer, workstation or file server system
Any Macintosh with a SCSI controller/host adapter.
$1,595 retail
Andromeda Systems Inc.; 9000 Eton Ave.; Canoga Park, CA 91304; 818-709-7600 or 818-709-7407 (fax)

CD Net
Specialized CD server and CD-ROM application manager
Macintosh with 2 MB of RAM; built-in Ethernet or Ethernet adapter; System 7.0 or later.
$895 retail; software
$3,500 to $35,000 retail; system
Meridian Data, Inc.; 5615 Scotts Valley Dr.; Scotts Valley, CA 95066; 408-438-3100, 800-767-2537 or 408-438-6816 (fax)

CD Porta Drive
CD-ROM drive
Macintosh Plus or larger.
$850 retail
CD Technology, Inc.; 766 San Aleso Ave.; Sunnyvale, CA 94086; 408-752-8500 or 408-752-8501 (fax)

CD Porta Drive T4100
CD-ROM drive
Macintosh SE or larger.
$500 retail
CD Technology, Inc.; 766 San Aleso Ave.; Sunnyvale, CA 94086; 408-752-8500 or 408-752-8501 (fax)

CD Printer
Integrates a compact disc recorder into a digital audio workstation
Macintosh II or Quadra; 8 MB of RAM; SonicStation II.
$9,750 retail
Sonic Solutions; 1891 E. Francisco Blvd.; San Rafael, CA 94901; 415-485-4800 or 415-485-4877 (fax)

■ **CD Tower-4**
Four-drive tower subsystem
Macintosh Plus or larger; System 7.0.1 or later.
CD Tower-4 is an external four-drive tower subsystem with SCSI-2 interface that provides swift file access and the ability to share CD-ROM applications. It is ideal for libraries, archiving, high-end graphics and document imaging applications or any multimedia networking application. It consists of four double-speed CD-ROM drives mounted in a tower enclosure that allows users to simultaneously access data stored in any of the four drives. The drives provide sustained data transfer rates to 330 KB/sec with a 200ms average access time and a synchronous transfer rate of 4.2 MB/sec. It also includes 256K of embedded cache, 50,000-hour MTBF and dust-proof CD-access door. The CD Tower-4 ships with QuickTime 1.5 and Apple Photo CD Access Software.
$2,795 retail
Procom Technology, Inc.; 2181 Dupont Dr.; Irvine, CA 92715; 714-852-1000, 800-800-8600 or 714-852-1221 (fax)

CD-ROM Inhouse Production System
Enable producers to create multisession, XA compliant CDs that are compatible with playback drives running on any computer platform
Macintosh II or larger.
$3,600 starting price retail
Image Management Systems, Inc.; 239 W. 15th St.; New York, NY 10011; 212-741-8765 or 212-243-2344 (fax)

CD-ROM Tower
Allows access to up to seven different CD-ROM drives from one SCSI port
Macintosh Plus or larger; 2 MB of RAM.
Call for pricing; volume discounts are available
CharisMac Engineering, Inc.; 66 "D" P&S Ln.; Newcastle, CA 95658; 916-885-4420, 800-487-4420 or 916-885-1410 (fax)

CD/Maxtet
CD-ROM tower
Macintosh Plus or larger.
$6,999 retail
Optical Access International, Inc.; 500 W. Cummings Park, Ste. 3250; Woburn, MA 01801; 617-937-3910, 800-433-5133 or 617-937-3950 (fax)

CD/Quartet
CD-ROM tower
Macintosh Plus or larger.
$2,799 retail
Optical Access International, Inc.; 500 W. Cummings Park, Ste. 3250; Woburn, MA 01801; 617-937-3910, 800-433-5133 or 617-937-3950 (fax)

CDA-435 And CDC-435
CD-ROM/audio drives
Macintosh Plus or larger.
$645 retail; CDA-435
$745 retail; CDC-435
Chinon America Inc.; Information Equipment Div.; 615 Hawaii Ave.; Torrance, CA 90503; 310-533-0274, 800-441-0222 or 310-533-1727 (fax)

CDA-535
Double-speed CD-ROM drive
Macintosh Plus or larger.
$795 retail
Chinon America Inc.; Information Equipment Div.; 615 Hawaii Ave.; Torrance, CA 90503; 310-533-0274, 800-441-0222 or 310-533-1727 (fax)

CDworks
Networked CD-ROM solutions
Macintosh Plus or larger.
Call for pricing
Virtual Microsystems, Inc.; 1825 S. Grant St., Ste. 700; San Mateo, CA 94402; 415-573-9596, 800-722-8299 or 415-572-8406 (fax)

CharisMac Optical Erasable Drives
Optical drives
Macintosh Plus or larger.
Call for pricing; 130 MB 3.5-inch HH to 1 GB 5.25-inch FH
CharisMac Engineering, Inc.; 66 "D" P&S Ln.; Newcastle, CA 95658; 916-885-4420, 800-487-4420 or 916-885-1410 (fax)

CharisMac Optical Kits
Optical drive kits
Macintosh Plus or larger.
Call for pricing; 130 MB 3.5-inch HH to 1 GB 5.25-inch FH
CharisMac Engineering, Inc.; 66 "D" P&S Ln.; Newcastle, CA 95658; 916-885-4420, 800-487-4420 or 916-885-1410 (fax)

Concorde 600MO
External 5.25-inch MO subsystem
Macintosh SE or larger; 1 MB of RAM; System 6.0.4 or later.
$2,695 street price
Optima Technology Corp.; 17526 Von Karman; Irvine, CA 92714; 714-476-0515 or 714-476-0613 (fax)

CY-10LT
Optical disk libraries
Macintosh Plus or larger.
Call for pricing
Contemporary Cybernetics Group; Rock Landing Corporate Center; 11846 Rock Landing; Newport News, VA 23606; 804-873-9000 or 804-873-8836 (fax)

CY-2300
1.3 GB multifunction optical disk drive
Macintosh Plus or larger.
Call for pricing
Contemporary Cybernetics Group; Rock Landing Corporate Center; 11846 Rock Landing; Newport News, VA 23606; 804-873-9000 or 804-873-8836 (fax)

DGR 128REM
128 MB 3.5-inch removable read/write optical drive
Macintosh Plus or larger.
$749 retail
DGR Technologies; 1219 W. 6th St., Ste. 205; Austin, TX 78703; 512-476-9855, 800-235-9748 or 512-476-6399 (fax)

DGR 256REM
256 MB 3.5-inch removable read/write optical drive
Macintosh Plus or larger.
$899 retail
DGR Technologies; 1219 W. 6th St., Ste. 205; Austin, TX 78703; 512-476-9855, 800-235-9748 or 512-476-6399 (fax)

DGR 650REM
650 MB 5.25-inch removable read/write optical drive
Macintosh Plus or larger.
$1,999 retail
DGR Technologies; 1219 W. 6th St., Ste. 205; Austin, TX 78703; 512-476-9855, 800-235-9748 or 512-476-6399 (fax)

■ **Diskcovery 1300MO**
Rewritable magneto-optical subsystem
Macintosh SE or larger; 1 MB of RAM; System 6.0.4 or later.
The Diskcovery 1300MO is a fast, ISO standard, SCSI-2 based, external rewritable magneto-optical subsystem that provides users with a reliable 1,300 MB of storage. It is an ideal solution for applications that require large data archives. Magneto-optical technology produces a data record stable for up to 25 years. The Diskcovery 1300MO is bundled with floppy emulation software and one magneto-optical disk. It can be positioned vertically or horizontally and can be stacked in the horizontal orientation. Diskcovery 1300MO offers Macintosh System Fault (MSFT) and multilevel mirroring with Optima's Diskmount software. Optima's MO disks are compatible with other manufacturer's industry standard devices and offer multiplatform compatibility with Mac OS, DOS, Windows, NetWare and other operating systems. Diskcovery 1300MO offers an upgrade path for Optima Optical Juke Boxes.
$2,895 retail
Optima Technology Corp.; 17526 Von Karman; Irvine, CA 92714; 714-476-0515 or 714-476-0613 (fax)

DisKovery 128MO
External magneto-optical subsystem
Macintosh SE or larger; 1 MB of RAM; System 6.0.4 or later.
$1,150 street price
Optima Technology Corp.; 17526 Von Karman; Irvine, CA 92714; 714-476-0515 or 714-476-0613 (fax)

DynaTek CDS601
CD-ROM drive
Macintosh SE/30 or larger; System 6.0.7 or later.
$464 retail
DynaTek Automation Systems Inc.; 200 Bluewater Rd.; Bedford, Nova Scotia, Canada B4B 1G9; 902-832-3000 or 902-832-3010 (fax)

DynaTek NCS650
Network CD-ROM server
Macintosh II or larger; System 6.0.7 or later.
$2,199 to $3,499 retail
DynaTek Automation Systems Inc.; 200 Bluewater Rd.; Bedford, Nova Scotia, Canada B4B 1G9; 902-832-3000 or 902-832-3010 (fax)

DynaTek NCT650
Network CD-ROM tower
Macintosh II or larger; System 6.0.7 or later.
$6,499 to $10,899 retail
$1,099 retail; each CD-ROM module
DynaTek Automation Systems Inc.; 200 Bluewater Rd.; Bedford, Nova Scotia, Canada B4B 1G9; 902-832-3000 or 902-832-3010 (fax)

DynaTek ROS128 And ROS1.3
Rewritable optical storage
Macintosh Plus or larger; System 6.0.3 or later.
$999 to $3,699 retail
DynaTek Automation Systems Inc.; 200 Bluewater Rd.; Bedford, Nova Scotia, Canada B4B 1G9; 902-832-3000 or 902-832-3010 (fax)

EasyStor External Rewritable Optical Disk Drive
128 MB optical disk drive
Macintosh Plus or larger.
$999 retail
Advance Storage Device Corp.; 2720 S. Hardy Dr., Ste. 3; Tempe, AZ 85282; 602-966-8200, 800-726-4622, 800-400-6972 (fax) or 602-966-5166 (fax)

EasyStor Multimedia External CD-ROM Drive
CD-ROM drive subsystem
Macintosh Plus or larger.
$415 to $545 retail
Advance Storage Device Corp.; 2720 S. Hardy Dr., Ste. 3; Tempe, AZ 85282; 602-966-8200, 800-726-4622, 800-400-6972 (fax) or 602-966-5166 (fax)

EasyStor Ultra Low Profile Rewritable Optical Disk Drive
Slim optical disk drive
Macintosh Plus or larger.
$975 retail
$999 retail; for PowerBook
Advance Storage Device Corp.; 2720 S. Hardy Dr., Ste. 3; Tempe, AZ 85282; 602-966-8200, 800-726-4622, 800-400-6972 (fax) or 602-966-5166 (fax)

GCD-200i Series
Internal dual-speed SCSI CD-ROM drives
Macintosh IIvi, IIvx, Performa 600, Centris 650 or Quadra 650.
$495 retail
Glyph Technologies Inc.; 605 W. State St., Unit #1; Ithaca, NY 14850; 607-275-0345, 800-335-0345 or 607-275-9464 (fax)

GCD-200R
Dual-speed rack mount SCSI CD-ROM drive
Macintosh Plus or larger; System 6.0.7 or later.
$895 retail
Glyph Technologies Inc.; 605 W. State St., Unit #1; Ithaca, NY 14850; 607-275-0345, 800-335-0345 or 607-275-9464 (fax)

HammerDisk Optical Storage Systems
Optical storage systems
Macintosh Plus or larger; 1 MB of RAM; System 6.0.3 or later.
$3,559 retail; HammerDisk600S
$4,589 retail; HammerDisk1000/1
$4,899 retail; HammerDisk1000/4
Call for pricing; HammerDisk1300
FWB, Inc.; 2040 Polk St., Ste. 215; San Francisco, CA 94109; 415-474-8055 or 415-775-2125 (fax)

HeyerTech Image Recording Systems
Custom still and full motion mass image storage with Panasonic TQ-3031F
Macintosh SE or larger.
HeyerTech custom image acquisition and management systems provide full-bandwidth still and motion video recording on high-quality optical media. A single platter can record 30 minutes of full motion, full bandwidth video with high-quality stereo audio or 54,000 still images (or any combination) on a single disc side. Video inputs and outputs include RGB, S-Video and NTSC. Worst case access time is .7 seconds to any frame. HeyerTech systems are ideal for applications that require either massive numbers of still images or mixed full motion video and audio with stills. Recorder/players and player-only units are available from stock. HeyerTech systems feature integration with video floppy still cameras, HeyerTech Image Management Databases and other video editing systems.
Under $12,000 starting price retail
HeyerTech, Inc.; 726 Marion Ave.; Palo Alto, CA 94303; 415-325-8522 or 415-325-5613 (fax)

HeyerTech Multimedia Production Systems
Multimedia systems including Panasonic TQ-3031F and LF-7300
Macintosh SE or larger.
The HeyerTech Multimedia Production Systems integrate Macintosh software with high-performance optical videodisc recording for the ultimate in speaker support, customized sales presentations, trade show exhibits and technical documentation. HeyerTech optical videodisc recording systems provide high capacity, high performance, high-quality video and computer controllability. Interfaces are available for HyperCard, SuperCard, Macromedia Director, 4th Dimension and others. The systems can incorporate video floppy still cameras, videotape, computer graphics animations or any RGB, NTSC or S-Video video source. The videodisc recorders, both write-once and erasable, offer the highest resolution video recording available combined with under .7 second access time and RS-232 computer control. They are an ideal source for image input to computer graphics software.
Under $10,000 starting price retail
HeyerTech, Inc.; 726 Marion Ave.; Palo Alto, CA 94303; 415-325-8522 or 415-325-5613 (fax)

HeyerTech Optical Disc Products
Multifunction digital optical disc storage
Macintosh SE or larger.
Under $3,000 starting price retail; 940 MB WORM-only drives
Under $4,000 starting price retail; 1.5 GB multi-function drives
HeyerTech, Inc.; 726 Marion Ave.; Palo Alto, CA 94303; 415-325-8522 or 415-325-5613 (fax)

Hitachi CDR 1750S
High-speed SCSI CD-ROM drive
Macintosh Plus or larger.
$995 retail
Hitachi Home Electronics; Industrial Products Division; 1290 Wall St. W; Lyndhurst, NJ 07071; 201-935-8980, ext. 221

Hitachi CDRASOS Mac
External double-speed CD-ROM drive
Macintosh Plus or larger.
$752 retail
Hitachi Home Electronics; Industrial Products Division; 1290 Wall St. W; Lyndhurst, NJ 07071; 201-935-8980, ext. 221

Inspire III For Macintosh
Rewritable optical storage system
Macintosh Plus or larger; System 6.0.3 or later.
$4,495 starting price retail
Alphatronix, Inc.; PO Box 13978; Research Triangle Park, NC 27709; 919-544-0001 or 919-544-4079 (fax)

Introl Erasable Optical Subsystems
Erasable magneto optical subsystems
Macintosh Plus or larger; System 6.0 or later.
$2,995 starting price retail
Introl Corp.; 2817 Anthony Ln. S; Minneapolis, MN 55418; 612-788-9391 or 612-788-9387 (fax)

IOMEGA LaserSafe Plus
Rewritable optical subsystem
Macintosh Plus or larger; System 6.0.5 or later.
$3,995 retail; includes one disk
IOMEGA Corp.; 1821 W. 4000 South; Roy, UT 84067; 801-778-1000, 800-777-6654 or 801-778-3450 (fax)

JVC's Personal Archiver
CD-Recordable solution that allows users to archive their own data on a recordable CD-ROM disc
Macintosh II family; 4 MB of RAM; System 7.0 or later.
$2,995 starting price retail
JVC Information Products; 17811 Mitchell Ave.; Irvine, CA 92714; 714-261-1292 or 714-261-9690 (fax)

JVC's Personal RomMaker
Hardware and software solution that allows users to premaster and master their own CD-ROMs in-house on the desktop
Macintosh II family; 4 MB of RAM; System 7.0 or later.
$6,595 retail
JVC Information Products; 17811 Mitchell Ave.; Irvine, CA 92714; 714-261-1292 or 714-261-9690 (fax)

JY-7500/JY-750 Magneto Optical Disk Drive
Rewritable optical disk drive
Macintosh Plus or larger.
Call for pricing
Sharp Electronics Corp.; Sharp Plaza, Box F; Mahwah, NJ 07430; 201-529-9594

These Products Available Through Bottom Line Distribution
1-800-347-1923

Kodak Professional Photo CD Imaging Workstation 4200
Creates customized professional-quality Photo CD discs
Macintosh II or Quadra family.
Call for pricing
Eastman Kodak Co.; CD Imaging; 343 State St.; Rochester, NY 14650; 716-724-1021 or 800-235-6325

Kodak Writable CD
Writable compact disc publishing system
Macintosh II or Quadra.
Call for pricing
Eastman Kodak Co.; CD Imaging; 343 State St.; Rochester, NY 14650; 716-724-1021 or 800-235-6325

La Cie Cirrus Optical
Magneto-optical disk drive
Macintosh Plus or larger.
$949 retail
La Cie, Ltd.; 8700 SW Creekside Pl.; Beaverton, OR 97005; 503-520-9000, 800-999-0143 or 503-520-9100 (fax)

La Cie Magneto Optical Drive
Erasable, removable storage
Macintosh Plus or larger.
Call for pricing
La Cie, Ltd.; 8700 SW Creekside Pl.; Beaverton, OR 97005; 503-520-9000, 800-999-0143 or 503-520-9100 (fax)

LF-3000
3.5-inch magneto optical disk drive
Macintosh with SCSI-2 interface.
$2,195 retail
Panasonic Communications & Systems Co.; 2 Panasonic Way; Secaucus, NJ 07094; 201-348-7155 or 201-392-6910 (fax)

LF-5010
5.25-inch WORM optical disk drive
Macintosh with SCSI-2 interface.
$3,295 retail
Panasonic Communications & Systems Co.; 2 Panasonic Way; Secaucus, NJ 07094; 201-348-7155 or 201-392-6910 (fax)

LF-7010
5.25-inch multifunction optical disk drive
Macintosh with SCSI-2 interface.
$3,995 retail
Panasonic Communications & Systems Co.; 2 Panasonic Way; Secaucus, NJ 07094; 201-348-7155 or 201-392-6910 (fax)

LF-9000
5.25-inch magneto optical disk drive
Macintosh with SCSI-2 interface.
$3,995 retail
Panasonic Communications & Systems Co.; 2 Panasonic Way; Secaucus, NJ 07094; 201-348-7155 or 201-392-6910 (fax)

Liberty 115 Series
Portable CD-ROM player
Macintosh Plus or larger.
$699 starting price retail
Liberty Systems, Inc.; 160 Saratoga Ave., Ste. 38; Santa Clara, CA 95051; 408-983-1127 or 408-243-2885 (fax)

Liberty 115 Series
Portable 3.5-inch read/write magneto optical
Macintosh Plus or larger.
$1,799 starting price retail
Liberty Systems, Inc.; 160 Saratoga Ave., Ste. 38; Santa Clara, CA 95051; 408-983-1127 or 408-243-2885 (fax)

Liberty 225 Series
Portable read/write optical drives
Macintosh Plus or larger.
$2,899 starting price retail
Liberty Systems, Inc.; 160 Saratoga Ave., Ste. 38; Santa Clara, CA 95051; 408-983-1127 or 408-243-2885 (fax)

Liberty 70 Series
Portable 3.5-inch read/write magneto optical
Macintosh Plus or larger.
$1,499 starting price retail
Liberty Systems, Inc.; 160 Saratoga Ave., Ste. 38; Santa Clara, CA 95051; 408-983-1127 or 408-243-2885 (fax)

LK-MC501S And LK-MC501B
CD-ROM drives
Macintosh Plus or larger.
$875 retail; LK-MC501S External
$595 retail; LK-MC501B Internal
Panasonic Communications & Systems Co.; 2 Panasonic Way; Secaucus, NJ 07094; 201-348-7155 or 201-392-6910 (fax)

LQ-4000 And LQ-4002
Rewritable optical disc recorder/player; rewritable optical disc player
Macintosh Classic or larger.
$27,500 retail; LQ-4000
$7,500 retail; LQ-4002
Panasonic Communications & Systems Co.; 2 Panasonic Way; Secaucus, NJ 07094; 201-348-7155 or 201-392-6910 (fax)

LX-10 Optical Storage Subsystem
Multifunction optical drive for image and large data files
Macintosh Plus or larger.
$5,995 retail; LX-10
Under $12,000 retail; 15 GB jukebox version
Image Management Systems, Inc.; 239 W. 15th St.; New York, NY 10011; 212-741-8765 or 212-243-2344 (fax)

MacCD/DX, MacCD/3X, MacCD Station 2B, MacCD Station 3
CD-ROM drives
Macintosh Plus or larger; System 6.0.8 or later.
$399 retail; MacCD/DX
$449 retail; MacCD Station 2B
$649 retail; MacCD/3X
$699 retail; MacCD Station 3
Procom Technology, Inc.; 2181 Dupont Dr.; Irvine, CA 92715; 714-852-1000, 800-800-8600 or 714-852-1221 (fax)

■ **MaCDrive**
External CD-ROM drive
Macintosh IIci or larger; 2 MB of RAM; System 6.0.7 or later.
MaCDrive is a line of high-performance external CD-ROM drives. Available in double-speed (300 KB/sec data transfer rate, 320ms access time) and triple-speed (450 KB/sec, 195ms access time) models, both drives are packaged complete with SCSI interface cable, device cable, device drivers, AC power cord, caddy and CD-ROM demo disc. MaCDrive CD-ROM drives feature Teac and NEC mechanisms, and are integrated and tested in Fortran's ISO-9000 certified facility.
$279 retail; double speed
$479 retail; triple speed
Fortron International Corp.; 46714 Fremont Blvd.; Fremont, CA 94538; 510-490-9474 or 510-490-9219 (fax)

MacOptiDrive
Optical drive
Macintosh Plus or larger.
$2,499 retail
Infotek, Inc.; 56 Camille; E. Patchogue, NY 11772; 516-289-9682

MacTopix CD-ROM Publishing System
CD-ROM development and publishing workstation
Macintosh SE or larger; 2 MB of RAM (4 MB for System 7); System 6.0.7 or later.
$695 starting price (tape output version) retail; software only
Optical Media International; 180 Knowles Dr.; Los Gatos, CA 95030; 408-376-3511, 800-347-2664 or 408-376-3519 (fax)

■ **Magic 128**
High-speed optical drive
Macintosh Plus or larger.
The Magic 128 is based on the Olympus mechanism and offers high-speed data transfer, storage and reliability. The rotational speed of 3,600 rpm enables the drive to reach transfer rates as fast as 768 KB/sec with an average seek time of 31ms. Magic uses ISO standard Precision 3.5-inch magneto-optical cartridges with an average data integrity life of more than 30 years. It is shipped ready for installation, including Anubis formatting software and cables. Magic 128 comes with a full two-year warranty on repair or replacement.
Call for pricing
MacProducts USA; 608 W. 22nd St.; Austin, TX 78705; 512-472-8881 or 512-499-0889 (fax)

■ **Magic CD-ROM 3401 Pro**
Double-speed drive
Macintosh Plus or larger.
The Magic CD-ROM 3401 Pro double-speed drive is MOC compliant and supports Multisession Kodak Photo CD. The 3401 CD boasts an average access time of 200ms with a data transfer rate of 330 KB/sec. Other features include fully integrated audio capability, CD-ROM XA compatibility and embedded SCSI-2 interface. It includes AllCache driver software, cables and a one-year warranty.
Call for pricing
MacProducts USA; 608 W. 22nd St.; Austin, TX 78705; 512-472-8881 or 512-499-0889 (fax)

■ **Magic CD-ROM 4101**
CD-ROM drive
Macintosh Plus or larger.
The Magic CD-ROM 4101 includes features such as efficient data transmission throughput via large 64K buffer memory and sophisticated buffer algorithm. It boasts a typical average access time of 320ms and a 4.2 MB synchronous data transfer with a 300 KB transfer rate. The drive is Multimedia-PC Spec compliant and supports both single and multisession Kodak Photo CDs.
Call for pricing
MacProducts USA; 608 W. 22nd St.; Austin, TX 78705; 512-472-8881 or 512-499-0889 (fax)

■ **Magneto Optical Jukebox Subsystems**
Multidisk magneto-optical subsystems
Macintosh SE or laarger; 1 MB of RAM; System 6.0.4 or later.
The Concorde Tower series of multidisk magneto-optical subsystems consist of three models ranging from 26 to 208 GB. There are three models with 20 to 160 optical cartridges with SCSI-2 command compatibility, and three jukeboxes can be daisychained together for a maximum storage capacity of 624 GB. Optima EasySwap Pack is available for swapping as many as 16 optical disks in a single operation. Optima provides with each model a 500 MB disk cache to optimize performance. The Concorde Tower Series is ideal for managing storage of large files and is a perfect solution in document imaging applications, multimedia, sound applications, desktop publishing and prepress, as well as backup.
$8,995 to $59,950 retail
Optima Technology Corp.; 17526 Von Karman; Irvine, CA 92714; 714-476-0515 or 714-476-0613 (fax)

MEOD Series
Optical disk drives
Macintosh Plus or larger; System 6.0.8 or later.
$1,995 to $3,795 retail
Procom Technology, Inc.; 2181 Dupont Dr.; Irvine, CA 92715; 714-852-1000, 800-800-8600 or 714-852-1221 (fax)

Micro/CD-ROM Systems
Internal and external CD-ROM drives
Macintosh Plus or larger.
$825 retail; external
$695 retail; internal
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

Micro/Optical Storage
Rewritable optical disk system
Macintosh Plus or larger.
$1,445 to $4,595 retail; 128 to 1,156 MB
$59 to $219 retail; cartridges
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

Micro/Optical System
3.5-inch rewritable optical drive
Macintosh Plus or larger.
$1,445 retail; 128 MB
$59 retail; cartridges
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

Microtech Genesis 120E/120Ei
Magneto-optical drives
Macintosh Plus or larger.
$999 retail; external
$969 retail; internal (Quadra 900/950)
Microtech International, Inc.; 158 Commerce St.; East Haven, CT 06512; 203-468-6223, 800-626-4276 or 203-467-1856 (fax)

Microtech Genesis 1300
Magneto-optical drive
Macintosh Plus or larger.
Call for pricing
Microtech International, Inc.; 158 Commerce St.; East Haven, CT 06512; 203-468-6223, 800-626-4276 or 203-467-1856 (fax)

Microtech Genesis 650/650i
Magneto-optical drives
Macintosh Plus or larger.
$2,199 retail; external
$2,099 retail; internal (Quadra 900/950, Performa 600)
Microtech International, Inc.; 158 Commerce St.; East Haven, CT 06512; 203-468-6223, 800-626-4276 or 203-467-1856 (fax)

Models 10T And 20T
Optical disk libraries
Macintosh Plus or larger.
Call for pricing
Contemporary Cybernetics Group; Rock Landing Corporate Center; 11846 Rock Landing; Newport News, VA 23606; 804-873-9000 or 804-873-8836 (fax)

Models 60T And 100T
Optical disk libraries
Macintosh Plus or larger.
Call for pricing
Contemporary Cybernetics Group; Rock Landing Corporate Center; 11846 Rock Landing; Newport News, VA 23606; 804-873-9000 or 804-873-8836 (fax)

NEC MultiSpin 3X
CD-ROM readers
Macintosh Plus or larger.
$600 retail; MultiSpin 3Xe (external)
$500 retail; MultiSpin 3Xi (internal)
$455 retail; MultiSpin 3Xp (personal)
$35 retail; Macintosh Interface Kit
NEC Technologies, Inc.; 1255 Michael Dr.; Wood Dale, IL 60191; 708-860-9500

NEC MultiSpin 4X
CD-ROM reader
Macintosh Plus or larger.
$995 retail
NEC Technologies, Inc.; 1255 Michael Dr.; Wood Dale, IL 60191; 708-860-9500

NEC MultiSpin 4X Pro
Quadruple-speed CD-ROM reader
Macintosh Plus or larger.
$995 retail
NEC Technologies, Inc.; 1255 Michael Dr.; Wood Dale, IL 60191; 708-860-9500

NEC MultiSpin Series
Multispin and multisession CD-ROM readers
Macintosh Plus or larger.
$465 retail; MultiSpin 38 portable
$615 retail; MultiSpin 74 external
$550 retail; MultiSpin 84 internal
$35 retail; Macintosh interface kit
NEC Technologies, Inc.; 1255 Michael Dr.; Wood Dale, IL 60191; 708-860-9500

Netscribe 2000
CD-Recordable system
Macintosh with 2 MB of RAM; built-in Ethernet or Ethernet adapter; System 7.0 or later.
$2,495 retail
Meridian Data, Inc.; 5615 Scotts Valley Dr.; Scotts Valley, CA 95066; 408-438-3100, 800-767-2537 or 408-438-6816 (fax)

OD152 Series
5.25-inch multifunction optical disk drives
Macintosh Plus or larger.
Call for pricing
Hitachi America, Ltd.; Computer Division; 2000 Sierra Point Pkwy., MS 500; Brisbane, CA 94005; 415-589-8300, 800-448-2244 or 415-244-7647 (fax)

OMCD CD-ROM Device Driver For The Macintosh
Universal Macintosh CD-ROM device driver
Macintosh Plus or larger.
$49 retail
Optical Media International; 180 Knowles Dr.; Los Gatos, CA 95030; 408-376-3511, 800-347-2664 or 408-376-3519 (fax)

■ **One For All Portable Rewritable Disk Systems**
Rewritable optical disk system
Macintosh Plus or larger; SCSI port.
The One For All Rewritable Optical Systems can be used like a portable, removable hard drive. With the use of multiple disks, users have infinite removable memory for nonvolatile data security at a fraction of the cost. Ideal for portable computing, filed service, individual client accounts, data transfer, data security, archival storage applications and near line storage, the rewritable disk media is ISO standard with a high-speed data access rate of up to 28ms. The One For All Optical Systems are neatly packaged in a 5.5-pound metal case with a handle and internal auto-sensing 110/220 VAC power supply.
$995 to $2,995 retail
Analog & Digital Peripherals, Inc. (ADPI); PO Box 499; Troy, OH 45373; 513-339-2241, 800-758-1041 or 513-339-0070 (fax)

One For All RO650
Portable rewritable optical drive
Macintosh Plus or larger.
$2,395 retail
Analog & Digital Peripherals, Inc. (ADPI); PO Box 499; Troy, OH 45373; 513-339-2241, 800-758-1041 or 513-339-0070 (fax)

Opti Mac Rewritable Optical Drives
Optical disk subsystems
Macintosh Plus or larger; 2 MB of RAM.
$1,550 to $3,230 retail; 130 to 650 MB
TMI/UNBOUND; 17862 Fitch; Irvine, CA 92714; 714-863-1100, 800-862-6863 or 714-863-1109 (fax)

Opti-Box
Optical disk jukebox
Macintosh Plus or larger.
$29,000 retail
Advance Storage Device Corp.; 2720 S. Hardy Dr., Ste. 3; Tempe, AZ 85282; 602-966-8200, 800-726-4622, 800-400-6972 (fax) or 602-966-5166 (fax)

Opto Advantage 230 External-Mac
230 MB rewritable optical drive
Macintosh Plus or larger; System 6.0.5 or later.
$799 retail; direct price
ValueStor, Inc.; 1609-B Regatta Ln.; San Jose, CA 95112; 408-437-2300 or 408-437-9333 (fax)

■ **Orray**
Optical hard drive
Any Macintosh.
Orray is an optical hard drive designed to satisfy storage-intensive applications requiring ultra high speed, performance, reliability and unlimited storage capacity. The Orray offers up to an 8 MB/sec data transfer rate and writes simultaneously to one set of removable optical media equaling 5.2 GB. The Orray is ideal for network servers, digital audio, digital video and database environments; and it is plug-and-play ready for Macintosh, PC, Sun, HP, Silicon Graphics and other computers.
$14,995 retail
Pinnacle Micro; 19 Technology; Irvine, CA 92718; 714-727-3300, 800-553-7070 or 714-727-1913 (fax)

■ **OSL-2000**
Multifunction optical jukebox
Macintosh Plus or larger.
OSL-2000 is a 5.25-inch multifunction 26 GB optical jukebox that combines high-performance robotics and 5.25-inch magneto-optical drives to provide virtually instant access to 26 GB of storage capacity on 20 1.3 GB rewritable or write once cartridge. Floor or bench mounted, the sleek design of the OSL-2000 has a footprint of 250 by 681mm. Total weight fully loaded with two drives and 20 optical disk cartridges is less than 45kg. The OSL-2000 incorporates a single vertical elevator mechanism for rapid exchange of disks at a speed of less than 5 seconds. Two removable 10-slot magazine racks loaded with up to 20 optical disks provide easy handling, a high measure of security and convenient data portability. As additional storage is needed, magazine racks already pre-loaded with 10 formatted disks can be swapped out conveniently for infinite expandability.
Call for pricing
Sony Electronics Inc.; Computer Peripheral Products Co.; 3300 Zanker Rd.; San Jose, CA 95134; 408-432-0190, 800-352-7669 or 408-955-5169 (fax)

■ **Pioneer CD-ROM Changers**
Six- and 18-disc CD-ROM changers
Macintosh Plus or larger.
The Pioneer CD-ROM changers allow users to load six or 18 CD-ROMs at once using convenient six-disc magazines. Commands from the computer instruct the changer to select a specific CD-ROM from the disc magazine and automatically load it into the changer's built-in CD-ROM drive. The DRM-604X holds six discs and has a 614 KB/sec data transfer rate, four times standard speed. The DRM-602X holds six discs and supports a 307 KB/sec data transfer rate. The DRM-1804X has an 18 disc capacity and a 614 KB/sec data transfer rate. All changers are fully compatible with any Macintosh supporting the SCSI interface. Users just add a SCSI cable and install the interface software included with each changer.
$1,095 retail; DRM-602X
$1,495 retail; DRM-604X
$2,495 retail; DRM-1804X
Pioneer New Media Technologies, Inc.; 2265 E. 220th St.; Long Beach, CA 90810; 310-952-2111, 800-444-6784 or 310-952-2990 (fax)

Pioneer DE-UH7101
5.25-inch half-height multifunction optical disk drive
Macintosh Plus or larger.
$2,400 retail
Pioneer New Media Technologies, Inc.; 2265 E. 220th St.; Long Beach, CA 90810; 310-952-2111, 800-444-6784 or 310-952-2990 (fax)

PLEXTOR DM-5028
CD-ROM drive
Macintosh Plus or larger.
$439 retail
PLEXTOR; 4255 Burton Dr.; Santa Clara, CA 95054; 408-980-1838, 800-886-3935 or 408-986-1010 (fax)

PLI CD-ROM MS 200
Optical drive
Macintosh Plus or larger.
$743 retail
$84 retail; extra caddy (10 pack)
Peripheral Land, Inc.; 47421 Bayside Pkwy.; Fremont, CA 94538; 510-657-2211, 800-288-8754 or 510-683-9713 (fax)

PLI Infinity MaxOptical 1.3 GB
Magneto-optical drive
Macintosh Plus or larger.
Call for pricing

These Products Available Through Bottom Line Distribution
1-800-347-1923

Peripheral Land, Inc.; 47421 Bayside Pkwy.; Fremont, CA 94538; 510-657-2211, 800-288-8754 or 510-683-9713 (fax)

PLI Infinity Optical 1.3 GB SL
Optical drive
Macintosh Plus or larger.
$3,599 retail
Peripheral Land, Inc.; 47421 Bayside Pkwy.; Fremont, CA 94538; 510-657-2211, 800-288-8754 or 510-683-9713 (fax)

PLI Infinity Optical 3.5-Inch
Rewritable optical drive
Macintosh Plus or larger.
$1,335 retail; 128 MB
$58 retail; PLI Optical Media 3.5-Inch
Peripheral Land, Inc.; 47421 Bayside Pkwy.; Fremont, CA 94538; 510-657-2211, 800-288-8754 or 510-683-9713 (fax)

PLI Infinity Optical 5.25-Inch
600 MB removable, rewritable optical cartridge drive
Macintosh Plus or larger.
$3,088 retail; Infinity Optical
$130 retail; PLI Optical Media 5.25-Inch (600 MB)
Peripheral Land, Inc.; 47421 Bayside Pkwy.; Fremont, CA 94538; 510-657-2211, 800-288-8754 or 510-683-9713 (fax)

Quadra 800 And 950 Removables
Rewritable optical, CD-ROM, SyQuest and tape backup
Macintosh Quadra 800 or 900/950.
$1,295 retail; Q9i-MO128 or Q8i-MO128
$695 retail; Q9i-CD or Q8i-CD
$665 retail; Q9i-R90c or Q8i-R90c
$1,645 retail; Q9i-T525
$2,195 retail; Q9i-D8000 or Q8i-D8000
$2,395 retail; Q9i-D16000 or Q8i-D16000
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

QuickTopix For Macintosh
Desktop CD publishing system
Macintosh Quadra 700, Centris or larger.
$695 starting price retail; software only
$3,995 starting price retail; software and CD recorder
Optical Media International; 180 Knowles Dr.; Los Gatos, CA 95030; 408-376-3511, 800-347-2664 or 408-376-3519 (fax)

RCD-202
5.25-inch half-height recordable CD mastering system
Macintosh Plus or larger.
$3,995 retail
Pinnacle Micro; 19 Technology; Irvine, CA 92718; 714-727-3300, 800-553-7070 or 714-727-1913 (fax)

Relax Erasable Optical Vista-Hyperspace
600 MB removable optical cartridge
Macintosh Plus or larger.
$1,997 retail; RO5031E
Relax Technology, Inc.; 3101 Whipple Rd.; Union City, CA 94587; 510-471-6112 or 510-471-6267 (fax)

Relax Rewritable Sierra 128 Meg
Optical drive
Macintosh Plus or larger; System 6.0.7 or later.
$799 retail
Relax Technology, Inc.; 3101 Whipple Rd.; Union City, CA 94587; 510-471-6112 or 510-471-6267 (fax)

Relax Rewritable Vista 128 Meg
Optical drive
Macintosh Plus or larger; System 6.0.7 or later.
$799 retail
Relax Technology, Inc.; 3101 Whipple Rd.; Union City, CA 94587; 510-471-6112 or 510-471-6267 (fax)

Relax/Ricoh Hyperspace Shuttle Jukebox
Provides 3.25 GB ISO rewritable optical mass storage
Macintosh SE or larger; System 6.0.7 or later.
$3,999 retail
Relax Technology, Inc.; 3101 Whipple Rd.; Union City, CA 94587; 510-471-6112 or 510-471-6267 (fax)

Ricoh HyperSpace Mac
650 MB rewritable optical drive
Macintosh Plus or larger; System 6.0 or later.
$3,995 retail
Ricoh Corp.; File Products Div.; 3001 Orchard Pkwy.; San Jose, CA 95134; 408-432-8800, 800-955-3453 or 408-943-9364 (fax)

Ricoh Transporter Mac
128 MB ISO-standard rewritable optical drive
Macintosh Plus or larger; System 6.0 or later.
$1,995 retail; external
$1,795 retail; internal
Ricoh Corp.; File Products Div.; 3001 Orchard Pkwy.; San Jose, CA 95134; 408-432-8800, 800-955-3453 or 408-943-9364 (fax)

Sierra-1.3GB
5.25-inch, 1.3 GB optical hard drive
Macintosh Plus or larger.
$2,995 retail
Pinnacle Micro; 19 Technology; Irvine, CA 92718; 714-727-3300, 800-553-7070 or 714-727-1913 (fax)

■ SMO-E301F
Internal rewritable optical drive
Macintosh Plus or larger.
The SMO-E301F is a 128 MB high-performance 3.5-inch internal rewritable optical drive. Features include: 3.5-inch optical drive with an embedded SCSI controller that stands only 41.3mm high; is capable of either vertical or horizontal usage; is ideal for internal configurations in a variety of computers or as a stand-alone peripheral system; a removable fan is attached to the back of the drive for ready installation; power consumption has been reduced to 10.5 w or 9.3 w with fan detached; supports the laser save function, reducing power consumption and extending laser life; 38ms average seek time; disk is rotated at 3,00 rpm, resulting in an increased data transfer rate of 7.25 Mbps; buffer memory increased to 256 KB, enabling on-board SCSI 2 drive caching; and enhanced 100,000 load/unload specification with 50,000 POH (power on hours).
Call for pricing
Sony Electronics Inc.; Computer Peripheral Products Co.; 3300 Zanker Rd.; San Jose, CA 95134; 408-432-0190, 800-352-7669 or 408-955-5169 (fax)

■ Sony MDP-1700AR Auto Reverse Multi Disc Player
Videodisc player
Macintosh Plus or larger.
The MDP-1700AR Multi Disc Player is a videodisc player that provides universal playback of 12- and 8-inch videodiscs and 5- and 3-inch digital CD audio discs. This product is unique to the education and training market in that it is the only professional videodisc player featuring an auto-reverse function. This feature provides continuous playback of dual-sided videodiscs and enables one to select playback of either side by using a button on the remote control. The MDP-1700AR can be controlled by computer or infra red remote control and supports Laser Barcode 2 and Bar Code CD standards. The easy-to-use RMB-1700, Infrared Barcode Controller, allows teachers to play back sequences coordinated with bar codes printed in courseware lessons and textbooks. The MDP-1700AR also features a built-in RF module for easy connection to any television set, as well as unique Clear Scan circuitry on CLV.
$940 suggested retail
Sony Electronics, Inc.; Business & Professional Products Group; 3 Paragon Dr.; Montvale, NJ 07645; 201-930-6034

Sony RMO-S350
3.5-inch rewritable optical disk storage system
Macintosh Plus or larger.
$2,295 retail; with RMO-K100 Macintosh plug-and-play kit and one Sony rewritable optical media
Sony Electronics Inc.; Computer Peripheral Products Co.; 3300 Zanker Rd.; San Jose, CA 95134; 408-432-0190, 800-352-7669 or 408-955-5169 (fax)

Tahoe-230
Portable 3.5-inch 128 MB magneto-optical drive
Macintosh Plus or larger.
$999 retail
Pinnacle Micro; 19 Technology; Irvine, CA 92718; 714-727-3300, 800-553-7070 or 714-727-1913 (fax)

Todd Docking Station T-1000U
Four compartments accommodate a variety of components
Macintosh Plus or larger.
Call for pricing
Todd Enterprises Inc.; 224-49 67 Ave.; Bayside, NY 11364; 718-343-1040, 800-445-8633 or 718-343-9180 (fax)

Todd Dual Drive TCDR-3050
External CD-ROM drive
Macintosh Plus or larger.
$1,650 retail
Todd Enterprises Inc.; 224-49 67 Ave.; Bayside, NY 11364; 718-343-1040, 800-445-8633 or 718-343-9180 (fax)

Todd Jukebox TAJ2000
Provides network access to a CD disc library
Macintosh Plus or larger.
$29,995 retail
Todd Enterprises Inc.; 224-49 67 Ave.; Bayside, NY 11364; 718-343-1040, 800-445-8633 or 718-343-9180 (fax)

Todd Lockable Dockable TCDR-4050
Four-drive tower
Macintosh Plus or larger.
$3,995 retail; includes four drives
Todd Enterprises Inc.; 224-49 67 Ave.; Bayside, NY 11364; 718-343-1040, 800-445-8633 or 718-343-9180 (fax)

Todd Quad Drive TCDR-3054
Four-drive tower
Macintosh Plus or larger.
$3,140 retail
Todd Enterprises Inc.; 224-49 67 Ave.; Bayside, NY 11364; 718-343-1040, 800-445-8633 or 718-343-9180 (fax)

Todd Record Or Play TCDE-100
CD-ROM Yamaha recorder
Macintosh Plus or larger.
$5,500 retail
Todd Enterprises Inc.; 224-49 67 Ave.; Bayside, NY 11364; 718-343-1040, 800-445-8633 or 718-343-9180 (fax)

Todd Superdrive TCDR-2XMS
CD-ROM drive
Macintosh Plus or larger.
$815 retail
Todd Enterprises Inc.; 224-49 67 Ave.; Bayside, NY 11364; 718-343-1040, 800-445-8633 or 718-343-9180 (fax)

Todd Write-Once System TCDD-521
Desktop CD-Recorder
Macintosh Plus or larger.
$5,995 retail
Todd Enterprises Inc.; 224-49 67 Ave.; Bayside, NY 11364; 718-343-1040, 800-445-8633 or 718-343-9180 (fax)

Tornado CD-ROM
Multisession CD-ROM drive
Macintosh Plus or larger.
$459 retail
DGR Technologies; 1219 W. 6th St., Ste. 205; Austin, TX 78703; 512-476-9855, 800-235-9748 or 512-476-6399 (fax)

Total Access
CD-ROM server
Macintosh Plus or larger.
Call for pricing
Todd Enterprises Inc.; 224-49 67 Ave.; Bayside, NY 11364; 718-343-1040, 800-445-8633 or 718-343-9180 (fax)

The Tower TCDR-8053 And TCDR-8054
Expandable CD-ROM tower
Macintosh Plus or larger.
$4,324 to $5,075 retail; includes seven drives

Todd Enterprises Inc.; 224-49 67 Ave.; Bayside, NY 11364; 718-343-1040, 800-445-8633 or 718-343-9180 (fax)

TQ-3031 And TQ-3032
Analog optical video disc recorder/player; analog video disc player
Macintosh Classic or larger.
$18,995 retail; TQ-3031
$5,495 retail; TQ-3032
Panasonic Communications & Systems Co.; 2 Panasonic Way; Secaucus, NJ 07094; 201-348-7155 or 201-392-6910 (fax)

TQ-3038F
High-resolution monochrome optical disc recorder
Macintosh Classic or larger.
$19,995 retail
Panasonic Communications & Systems Co.; 2 Panasonic Way; Secaucus, NJ 07094; 201-348-7155 or 201-392-6910 (fax)

UltraDrive 120MO
Removable magneto optical drive
Macintosh Plus or larger.
$1,899 retail
$69 retail; 120 MB cartridge
GCC Technologies, Inc.; 209 Burlington Rd.; Bedford, MA 01730; 617-275-5800, 800-422-7777 or 617-275-1115 (fax)

Videodisc Recording System From IMS
Tabletop laser videodisc recorders
Macintosh Plus or larger.
Under $12,000 starting price retail
Image Management Systems, Inc.; 239 W. 15th St.; New York, NY 10011; 212-741-8765 or 212-243-2344 (fax)

Vista V256
Removable magneto-optical drive
Macintosh Plus or larger; System 6.0.3 or later.
$999 retail
O.C.E.A.N. Microsystems, Inc.; 11235 Knott Ave., Ste. A; Cypress, CA 90630; 714-898-1340, 800-944-6232 or 714-891-8484 (fax)

XY1200RW
Erasable optical subsystem
Macintosh Plus or larger.
$4,995 retail
$350 retail; media
XYXIS Corp.; PO Box 8156; St. Paul, MN 55108; 612-378-2577 or 612-378-2464 (fax)

XY128RW
3.5-inch erasable optical subsystem
Macintosh Plus or larger.
$1,750 retail
XYXIS Corp.; PO Box 8156; St. Paul, MN 55108; 612-378-2577 or 612-378-2464 (fax)

XY3000RW-HS
Erasable optical library subsystem
Macintosh Plus or larger.
$7,495 retail
XYXIS Corp.; PO Box 8156; St. Paul, MN 55108; 612-378-2577 or 612-378-2464 (fax)

XY6000RW-HS
Erasable optical library subsystem
Macintosh Plus or larger.
$9,940 retail
XYXIS Corp.; PO Box 8156; St. Paul, MN 55108; 612-378-2577 or 612-378-2464 (fax)

XY600RW
Rewritable optical disk drive
Macintosh Plus or larger.
$3,000 retail; drive
$200 retail; media
XYXIS Corp.; PO Box 8156; St. Paul, MN 55108; 612-378-2577 or 612-378-2464 (fax)

XY600RW-HS
Erasable optical subsystem
Macintosh Plus or larger.
$3,600 retail
$200 retail; media
XYXIS Corp.; PO Box 8156; St. Paul, MN 55108; 612-378-2577 or 612-378-2464 (fax)

Hardware & Peripherals/Storage Devices/Tape Backup Units

A-Hive Jr. External Tape Drives
Tape backup units
Macintosh Plus or larger.
$499 to $2,659 retail; 155 MB to 24 GB
Tulin Technology; 2156H O'Toole Ave.; San Jose, CA 95131; 408-432-9057 or 408-943-0782 (fax)

BAS-8200
Backup and archiving tape system
Macintosh Plus or larger; System 7.0 or later.
$3,052 retail
Sparrow Corp.; PO Box 6102; Mississippi State, MS 39762; 601-324-0982 or 601-324-3231 (fax)

CMS MacStack Tape
60 and 150 MB tape backup systems
Macintosh Plus or larger.
Call for pricing
CMS Enhancements; 2722 Michelson Dr.; Irvine, CA 92714; 714-222-6000 or 714-549-4004 (fax)

Concorde Series
External 8mm tape subsystems
Macintosh Plus or larger; System 6.0.4 or later.
$2,299 street price
Optima Technology Corp.; 17526 Von Karman; Irvine, CA 92714; 714-476-0515 or 714-476-0613 (fax)

Conner CS2000DATe
2 GB external DAT backup system
Macintosh Plus or larger.
$1,700 suggested list price
Conner Storage Systems; 36 Skyline Dr.; Lake Mary, FL 32746; 407-263-3500, 800-526-6637 or 407-263-3555 (fax)

Conner CS250Qe And CS525Qe
Quarter-inch tape backup systems
Macintosh Plus or larger.
$850 to $1,000 suggested list price; 250 MB to 525 MB
Conner Storage Systems; 36 Skyline Dr.; Lake Mary, FL 32746; 407-263-3500, 800-526-6637 or 407-263-3555 (fax)

Conner CS4000DATe And CS40000DATe+
4 to 8 GB external DAT backup system
Macintosh Plus or larger.
$1,900-$2,100 suggested list price
Conner Storage Systems; 36 Skyline Dr.; Lake Mary, FL 32746; 407-263-3500, 800-526-6637 or 407-263-3555 (fax)

CY-3600 And CY-3800
QIC tape streamers
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.
Call for pricing
Contemporary Cybernetics Group; Rock Landing Corporate Center; 11846 Rock Landing; Newport News, VA 23606; 804-873-9000 or 804-873-8836 (fax)

CY-4000 And CY-4200
Quarter-inch tape streamers
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.
Call for pricing
Contemporary Cybernetics Group; Rock Landing Corporate Center; 11846 Rock Landing; Newport News, VA 23606; 804-873-9000 or 804-873-8836 (fax)

CY-8205 And CY-8505
Half-height 8mm helical scan tape storage systems
Macintosh Plus or larger; 1 MB of RAM; System 6.0 or later.
Call for pricing
Contemporary Cybernetics Group; Rock Landing Corporate Center; 11846 Rock Landing; Newport News, VA 23606; 804-873-9000 or 804-873-8836 (fax)

CY-CHS10e
10 8mm cartridge handling subsystem with random access
Macintosh Plus or larger.
Call for pricing
Contemporary Cybernetics Group; Rock Landing Corporate Center; 11846 Rock Landing; Newport News, VA 23606; 804-873-9000 or 804-873-8836 (fax)

DAT Autoloader
External digital audio tape backup system
Macintosh Plus or larger; Apple Workgroup Server 60, 80 or 95.
$5,995 retail; 12 to 96 GB
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

DataVault 2000
Tape backup
Macintosh Plus or larger.
$2,195 retail
Tecmar, Inc.; 6225 Cochran Rd.; Solon, OH 44139; 216-349-0600, 800-624-8560, 800-422-2587 or 216-349-0851 (fax)

DataVault 4000
Tape backup
Macintosh Plus or larger.
$2,695 retail
Tecmar, Inc.; 6225 Cochran Rd.; Solon, OH 44139; 216-349-0600, 800-624-8560, 800-422-2587 or 216-349-0851 (fax)

DatStream Tape Backup
High-speed SCSI tape backup
Macintosh Plus or larger.
Call for pricing
Personal Computer Peripherals Corp. (PCPC); 1956 Whitney Way; Clearwater, FL 34620; 813-530-0123, 800-622-2888 (sales) or 813-532-6741 (fax)

DisKovery External DAT And Data Cassette Subsystems
4mm digital data storage tape subsystems
Macintosh Plus or larger; System 6.0.4 or later.
$799 starting street price
Optima Technology Corp.; 17526 Von Karman; Irvine, CA 92714; 714-476-0515 or 714-476-0613 (fax)

DSS-8200
Kmax data storage tape system
Macintosh Plus or larger; System 7.0 or later.
$3,592 retail
Sparrow Corp.; PO Box 6102; Mississippi State, MS 39762; 601-324-0982 or 601-324-3231 (fax)

DynaTek DAT2.0 And DAT4.0 and 8.0
4mm digital audio tape drives
Macintosh SE/30 or larger; System 6.0.7 or later.
$1,299 to $1,599 retail
DynaTek Automation Systems Inc.; 200 Bluewater Rd.; Bedford, Nova Scotia, Canada B4B 1G9; 902-832-3000 or 902-832-3010 (fax)

DynaTek HSB2.3 And HSB5.0
8mm helical scan backup
Macintosh SE/30 or larger; System 6.0.7 or later.
$3,599 to $4,799 retail
DynaTek Automation Systems Inc.; 200 Bluewater Rd.; Bedford, Nova Scotia, Canada B4B 1G9; 902-832-3000 or 902-832-3010 (fax)

DynaTek QIC250 And QIC525
Tape backup systems
Macintosh SE/30 or larger; System 6.0.7 or later.
$1,299 to $1,599 retail; 250 MB to 525 MB
DynaTek Automation Systems Inc.; 200 Bluewater Rd.; Bedford, Nova Scotia, Canada B4B 1G9; 902-832-3000 or 902-832-3010 (fax)

HammerDAT
Backup systems
Macintosh Plus or larger.
$2,049 to $2,319 retail; 2 GB to 5 GB
FWB, Inc.; 2040 Polk St., Ste. 215; San Francisco, CA 94109; 415-474-8055 or 415-775-2125 (fax)

HammerTape525
External high-capacity SCSI tape subsystem
Macintosh Plus or larger.
$1,349 retail
FWB, Inc.; 2040 Polk St., Ste. 215; San Francisco, CA 94109; 415-474-8055 or 415-775-2125 (fax)

HSA23.0 And HSA50.0
Helical scan autochanger
Macintosh IIci or larger; System 6.0.7 or later.
$10,899 to $11,899 retail
DynaTek Automation Systems Inc.; 200 Bluewater Rd.; Bedford, Nova Scotia, Canada B4B 1G9; 902-832-3000 or 902-832-3010 (fax)

Jaguar And Panther Tape Backups
SCSI tape backup systems
Macintosh Plus or larger; 1 MB of RAM.
$899 retail; Jaguar 250 MB external
$799 retail; Jaguar 250 MB internal
$1,299 retail; Panther 1.3 GB external
$1,199 retail; Panther 1.3 GB internal
ProSoft-Mein Corp.; 1490 S. Vineyard Ave., Ste. C; Ontario, CA 91761; 909-930-5291, 800-377-6738 or 909-930-5291 (fax)

La Cie Tape Drive
Tape drives
Macintosh Plus or larger.
$629 to $919 retail; 155 to 600 MB
La Cie, Ltd.; 8700 SW Creekside Pl.; Beaverton, OR 97005; 503-520-9000, 800-999-0143 or 503-520-9100 (fax)

Liberty 70 Series
Portable DAT/tape drives
Macintosh Plus or larger.
$799 starting price retail; 150 MB and up
Liberty Systems, Inc.; 160 Saratoga Ave., Ste. 38; Santa Clara, CA 95051; 408-983-1127 or 408-243-2885 (fax)

MacStreamer
Nine-track tape system
Macintosh Plus or larger.
$1,995 to $4,995 retail; 1600 to 6250 BPI
Novastor Corp.; 30961 Agoura Rd., Ste. 109; Westlake Village, CA 91361; 818-707-9900 or 818-707-9902 (fax)

■ **Magic DAT Drive**
Tape drives
Macintosh Plus or larger.
The Magic 2.0 GB DDS Tape Drive has a large storage capacity in a small 3.5-inch cartridge based on a drive mechanism from Sony Corporation. It has a data transfer rate of 183 KB/sec, a random access time of 30 seconds and a large buffer size of 1 MB.
The Magic 8.0 GB DDS Tape Drive employs hardware DAT compression to achieve amazing performance. Based on the industry-leading Sony mechanism, it boasts a transfer rate of 732 KB/sec.
The Magic 16 GB DDS-2 Tape Drive handles massive data storage needs. It conforms to the DDS-2 standard, allowing it to use up to 120 meter DDS tapes at a transfer rate of 732 KB/sec.
Call for pricing
MacProducts USA; 608 W. 22nd St.; Austin, TX 78705; 512-472-8881 or 512-499-0889 (fax)

■ **Magic DDS DAT Drive**
DAT drive
Macintosh Plus or larger.
The Magic 8 to 16 GB DDS DAT Drive in the 3.5-inch form factor offers a sustained data transfer rate of 732 KB/sec. The drive includes Retrospect Software, SCSI and power cables and a one-year warranty.
Call for pricing
MacProducts USA; 608 W. 22nd St.; Austin, TX 78705; 512-472-8881 or 512-499-0889 (fax)

■ **Magic Quarter-Inch Minicartridge Tape Drive**
Mini-cartridge tape drive
Macintosh Plus or larger.
The Magic Quarter-Inch Minicartridge Tape Drive allows users to archive, back up or store up to 1 GB of uncompressed data in 15 minutes or less. Users can boost capacity to 2 GB with hardware compression for a sustainable transfer rate of more than 1.1 MB/sec. Standard features include a SCSI-2 interface, a 1 MB data buffer and a high-resolution head positioning system. Each drive comes with a 90 meter tape, Retrospect 2.0, SCSI terminator, cables and a full one-year warranty.
Call for pricing
MacProducts USA; 608 W. 22nd St.; Austin, TX 78705; 512-472-8881 or 512-499-0889 (fax)

MDAT8000/M
DAT tape backup units
Macintosh Plus or larger; System 6.0.8 or later.
$1,995 retail; MDAT8000/M
Procom Technology, Inc.; 2181 Dupont Dr.; Irvine, CA 92715; 714-852-1000, 800-800-8600 or 714-852-1221 (fax)

Memorytape
4mm DAT or 8mm Exabyte tape backup units
Macintosh Plus or larger.
$2,240 to $4,320 retail
Memorybank Inc.; 2223 Packard Rd., Ste. 12; Ann Arbor, MI 48104; 313-761-2782, 800-562-7593 or 313-761-3263 (fax)

Micro/DAT
Tape backup systems
Macintosh Plus or larger.
$2,295 to $2,595 retail; 2 to 16 GB
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

Micro/Tape Series
Tape backup systems
Macintosh Plus or larger.
$1,095 to $1,845 retail; 155 to 600 MB
MicroNet Technology, Inc.; 80 Technology; Irvine, CA 92718; 714-453-6100 or 714-453-6101 (fax)

Microtech DDS-1 And DDS-2
4 to 8 GB tape backup
Macintosh Plus or larger.
$1,099 to $1,549 retail
Microtech International, Inc.; 158 Commerce St.; East Haven, CT 06512; 203-468-6223, 800-626-4276 or 203-467-1856 (fax)

MiniPak DAT And Tape Subsystems
Digital data storage tape subsystems
Macintosh SE or larger; 1 MB of RAM; System 6.0.4 or later.
$799 starting street price
Optima Technology Corp.; 17526 Von Karman; Irvine, CA 92714; 714-476-0515 or 714-476-0613 (fax)

NovaDat Model 1300
Tape drive
Macintosh SE or larger.
$1,295 to $2,495 retail
Novastor Corp.; 30961 Agoura Rd., Ste. 109; Westlake Village, CA 91361; 818-707-9900 or 818-707-9902 (fax)

Novastor NST2.3G
2.3 GB system/network backup
Macintosh Plus or larger.
$1,995 to $3,995 retail
Novastor Corp.; 30961 Agoura Rd., Ste. 109; Westlake Village, CA 91361; 818-707-9900 or 818-707-9902 (fax)

One For All
Tape backup system
Macintosh Plus or larger.
$995 to $2.395 retail
Analog & Digital Peripherals, Inc. (ADPI); PO Box 499; Troy, OH 45373; 513-339-2241, 800-758-1041 or 513-339-0070 (fax)

Panther
Tape backup system
Macintosh Plus or larger.
Call for pricing; 250 MB to 5 GB
Tandberg Data, Inc.; 2649 Townsgate Rd.; Westlake Village, CA 91361; 805-495-8384 or 805-495-4186 (fax)

PCPC Jetstream Tape Backup
High-speed SCSI tape backup
Macintosh Plus or larger.
$1,995 starting price retail
Personal Computer Peripherals Corp. (PCPC); 1956 Whitney Way; Clearwater, FL 34620; 813-530-0123, 800-622-2888 (sales) or 813-532-6741 (fax)

PLI DAT Drive
Tape backup system
Macintosh 512KE with SCSI or larger.
$1,688 retail; with Retrospect (5 GB)
$2,131 retail; with Retrospect (10 GB)
$26 retail; extra tape (90 meter)
$44 retail; extra tape (120 meter)
Peripheral Land, Inc.; 47421 Bayside Pkwy.; Fremont, CA 94538; 510-657-2211, 800-288-8754 or 510-683-9713 (fax)

QICVault 720
720 MB quarter-inch cartridge (QIC) tape backup systems
Any Macintosh.
$995 to $1,395 retail
Tecmar, Inc.; 6225 Cochran Rd.; Solon, OH 44139; 216-349-0600, 800-624-8560, 800-422-2587 or 216-349-0851 (fax)

QT-250es, QT-525es And QT-1000es
Tape backup
Macintosh Plus or larger.
$1,895 to 3,995 retail
Tecmar, Inc.; 6225 Cochran Rd.; Solon, OH 44139; 216-349-0600, 800-624-8560, 800-422-2587 or 216-349-0851 (fax)

Qualstar Model 1054-Mac
Nine-track tape drive; reads 1600/3200 BPI tapes; handles ASCII/EDCDIC conversions; full backup and restore capability
Macintosh Plus or larger.
$4,045 retail
Qualstar Corp.; 6709 Independence Ave.; Canoga Park, CA 91303; 818-592-0061 or 818-592-0116 (fax)

Qualstar Model 1260-Mac
Nine-track tape system; reads/writes 1600/6250 BPI tapes; handles ASCII/EDCDIC conversions; full backup and restore capability
Macintosh Plus or larger.
$6,345 retail
Qualstar Corp.; 6709 Independence Ave.; Canoga Park, CA 91303; 818-592-0061 or 818-592-0116 (fax)

Qualstar Model 3404S-Mac
Nine-track tape system; reads/writes 1600/3200 BPI tapes; handles ASCII/EBCDIC conversion; full backup and restore capability
Macintosh Plus or larger.
$6,120 retail
Qualstar Corp.; 6709 Independence Ave.; Canoga Park, CA 91303; 818-592-0061 or 818-592-0116 (fax)

Qualstar Model 3412S-Mac
Nine-track tape system; reads/writes 800/1600/3200/6250 BPI tapes; handles ASCII/EBCDIC conversion; full backup and restore capability
Macintosh Plus or larger.
$10,020 retail
Qualstar Corp.; 6709 Independence Ave.; Canoga Park, CA 91303; 818-592-0061 or 818-592-0116 (fax)

Relax Tape Vista
Tape backup systems
Macintosh Plus or larger; hard disk drive.
$399 to $3,199 retail; 160 MB to 8 GB
$19 to $33 retail; media
Relax Technology, Inc.; 3101 Whipple Rd.; Union City, CA 94587; 510-471-6112 or 510-471-6267 (fax)

RSP-2150
14.5 to 18 GB high-density digital tape drive
Macintosh Plus or larger.
Call for pricing
METRUM; 4800 E. Dry Creek Rd.; Littleton, CO 80122; 303-773-4700 or 303-773-4909 (fax)

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High-capacity data storage libraries (864 GB to 10.8 TB)
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METRUM; 4800 E. Dry Creek Rd.; Littleton, CO 80122; 303-773-4700 or 303-773-4909 (fax)

Sankyo MT Series
150 MB to 2 GB tape subsystems
Macintosh Plus or larger.
Call for pricing
Sankyo; Storage Products Division; 2649 Campus Dr.; Irvine, CA 92715; 714-724-1505, 800-472-6596 or 714-724-1501 (fax)

■ **SDT-5000**
DDS-2 tape drive
Macintosh Plus or larger; DDS-2 tape drive; 3.5-inch form factor SCSI controller; 4 to 8 GB capacity on 120-meter tape.
The SDT-5000 doubles the capacity and performance of previous generation DDS drives using industry standard technology. This drive is built to exacting standards to provide the quality customers demand. The SDT-5000 features a 3.5-inch form factor and embedded SCSI-2 controller that provide compatibility with a wide range of computers; high storage capacity of up to 8 GB on one credit card-size data cartridge; single PCB design and vertically integrated manufacturing process produces an MTBF of 80,000 power-on hours; flash memory for easy maintenance; and digital servo provides accurate and efficient tape handling.
Call for pricing
Sony Electronics Inc.; Computer Peripheral Products Co.; 3300 Zanker Rd.; San Jose, CA 95134; 408-432-0190, 800-352-7669 or 408-955-5169 (fax)

■ **SDT-5200**
3.5-inch tape drive
Macintosh Plus or larger.
The SDT-5200 doubles the capacity and performance of previous generation DDS drives using industry standard technology. This drive is built to exacting standards to provide the quality customers demand. The SDT-5200 includes 3.5-inch form factor and embedded SCSI-2 controller that provide compatibility with a wide range of computers, high-storage capacity of 4 GB on one credit card-size data cartridge, single PCB design, a vertically integrated manufacturing process that produces an MTBF of 80,000 power-on hours, flash memory for easy maintenance and a digital servo that provides accurate and efficient tape handling.
Call for pricing
Sony Electronics Inc.; Computer Peripheral Products Co.; 3300 Zanker Rd.; San Jose, CA 95134; 408-432-0190, 800-352-7669 or 408-955-5169 (fax)

STL-6000 And STL-8000 Automated Tape Library
Unattended, automated backup and retrieval
Macintosh Plus or larger.
$13,990 retail; STL-6000 with one tape drive
$21,405 retail; STL-8000 with one tape drive
Spectra Logic; 1700 N. 55th St.; Boulder, CO 80301; 303-449-7759, 800-833-1132 or 303-939-8844 (fax)

Tecmar QT QIC And QT DAT
Tape drives
Macintosh Plus or larger; System 6.0.7 or later.
$1,075 to $1,490 retail; QT QIC
$2,095 to $2,229 retail; QT DAT
Tecmar, Inc.; 6225 Cochran Rd.; Solon, OH 44139; 216-349-0600, 800-624-8560, 800-422-2587 or 216-349-0851 (fax)

THS-2200 And THS-5000
High-performance 8mm tape backup solutions
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$6,549 to $7,649 retail
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TS/9480
Tape subsystem
Macintosh II or larger.
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$19.95 retail; 30 cycle
$20.30 retail; 3.5-inch formatted diskettes (1 MB 10 pack)
$32.60 retail; 3.5-inch formatted diskettes (2 MB 10 pack)
3M Co.; 225-3S-05 3M Center; St. Paul, MN 55144; 800-328-9438

3M Flip-Frame Transparency Protectors
Store, organize and protect overhead transparencies
$19.95 to $89.95 retail
3M Visual Systems Division; 6801 River Place Blvd.; Austin, TX 78726; 800-328-1371 or 512-984-7279 (fax)

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Two-way and four-way data switch boxes with 8-pin mini DIN connectors
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$41.95 retail; SB-ABCDM
ORA Electronics; 9410 Owensmouth Ave.; Chatsworth, CA 91311; 818-772-2700

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Urethane-coated packcloth dust covers; Cordura carrying cases; foam-laminated packcloth disk, CD-ROM wallets and wall hangers; Ultraflex keyboard skins
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$9.95 to $18.95 retail; disk and CD-ROM wallets
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$19.95 retail; keyboard skins
ABCOM; 2333A N. Sierra Hwy.; Bishop, CA 93514; 619-872-1946 or 619-872-2029 (fax)

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Macintosh furniture
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Carrying case for all Macintosh PowerBooks
Call for quotations
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Wrist rests
$19.95 retail; Keyboard Wrist Rest
$29.95 retail; Extension Keyboard Wrist Rest
$44.95 retail; Notebook Computer Wrist Rest
AliMed Inc.; 297 High St.; Dedham, MA 02026; 617-329-2900 or 617-329-8392 (fax)

■ Allsop Accessories
Media mailers, jewel cases, copy holders, glare filters, mouse holders, keyboard drawers, wrist rests, mouse pads

The Allsop Anti-Static Media Mailer provides anti-static protection for valuable data containing disks. Heavy, 20 pt. recycled cardboard stands up to the rigors of mail service handling.

The Allsop CD-ROM Replacement Jewel Cases are protective cases that safeguard compact discs from dust, dirt, fingerprints and scratches. Each package contains three CD-ROM cases.

The Allsop Computer Accessory Starter Pack is a complete mix of essential computer products — a "user-friendly" group of high-quality Allsop products to accompany any new computer purchase or compliment an existing workstation.

The Allsop Copy Holder is fully adjustable, fits any monitor and uses no desktop space. The unique "roller clip" holds up to 10 sheets of paper and makes it easy to attach or remove copy with one hand.

The Allsop Disk Binder Pages provide anti-static protection and easy access storage for disks. Each page features clear vinyl pockets for complete visibility and is compatible with any standard three-ring binder.

The Allsop Glare Filter utilizes patented, space-age technology, the highest optical quality glass and high strength anti-static plastic. Effective against glare, it reduces eyestrain, visual fatigue and increases productivity. A unique mounting system safely and securely positions it in place for use, and out of the way when not required.

The Allsop Keyboard Storage Drawer provides space-saving storage for the keyboard and protects it when not in use. The drawer's sturdy reinforced metal construction is designed to hold the weight of a monitor and CPU. The drawer extends out on a smooth-gliding track system of double-bearing rollers and locks in place.

The Allsop Keyboard Hanger provides secure storage and protection for the keyboard. It is made of high impact material for product strength and reliability.

The Allsop Mouse Catch features durable construction to safely and conveniently store the mouse when not in use.

The Allsop WorkStation CopyStand is a versatile, free-standing, portable copy stand. When collapsed, it fits easily inside a briefcase or can be used as a clipboard or note-taking device. Constructed of anti-magnetic materials, it incorporates design features for the storage of two 3.5-inch disks.

The Allsop Wrist Rest helps protect keyboard users against and ease sufferers of repetitive stress injury. It is placed below the computer keyboard and positioned so that it is directly under where users naturally rest their wrists. It is available in blue, red, gray, black and designer raindrop motif.

The durable, anti-static Allsop Mouse Pad protects and improves mouse performance and accuracy, while protecting the desktop as well as the mouse tracking ball. Attractive, designer prints and patterns aesthetically enhance the workstation environment.
$6.95 retail; Anti-Static Media Mailers
$6.95 retail; CD-ROM Replacement Jewel Cases
$49.95 retail; Computer Accessory Starter Pack
$9.95 retail; Copy Holder
$7.95 retail; Disk Binder Pages
$39.95 to $49.95 retail; Glare Filter
$59.95 to $69.95 retail; Glare Filter (anti-static/conductive version)
$49.95 retail; Keyboard Drawer/Monitor and CPU Stand
$39.95 retail; Under Desk Keyboard Drawer
$12.95 retail; Keyboard Hanger
$6.98 retail; Mouse Catch
$12.95 retail; WorkStation CopyStand
$12.95 retail; Wrist Rest
$6.95 retail; Mouse Pad
Allsop, Inc.; PO Box 23; Bellingham, WA 98227; 206-734-9090, 800-426-4303 or 206-734-9858 (fax)

■ Allsop Cleaning Solutions
Cleaning systems

The 3.5-inch Drive Cleaning System includes a head cleaning disk and solution, providing longer life and higher performance for computer disk drives.

The 3.5- and 5.25-inch Maintenance Systems are designed for cleaning computer systems that use a 3.5- or 5.25-inch floppy disk drive. They come in a handy storage case.

Allsop's Disk Drive Cleaning System helps assure long life and trouble-free performance for both 3.5- and 5.25-inch disk drive systems. The dual-drive maintenance program provides cleaners with industry approved cleaning fabric that won't harm drive heads.

The Allsop 8mm Cleaning Cartridge features precision molded ABS housing that conforms to all industry standards and specifications. Allsop's patented cleaning ribbon utilizes a wet/dry cleaning action that dissolves and carries away pollutants and oxides that could damage tape drive heads or data.

The Allsop Airduster 134A contains 4.5 ounces of double filtered compressed inert gas. Safe for the ozone, the Airduster can be used for the precise removal of contaminants from computers, drives, keyboards, fax machines and all other electronic office equipment.

The Allsop Anti-Static Cleaning Towelettes are specifically formulated for safe and effective cleaning of communication and computer equipment.

The Allsop CD-ROM Disc Cleaning System effectively removes surface debris that can hinder the laser beam's ability to accurately read the information stored on the disc. By providing a maintenance system that utilizes a unique radial action, the Allsop cleaner eliminates the possibility of sweeping contaminants parallel to the disc's data pits.

The Allsop Complete Office Care System provides a convenient all-in-one office maintenance kit, including cleaning solutions, disk drive cleaning disks and specially designed devices for maintaining facsimiles, printers, copiers, typewriters, computers and most other office equipment. It also includes a trouble-shooting guide and service manual in a convenient carrying case.

The Allsop CD-ROM Fast Wipes are designed to be used with the Allsop DiscGrip non-cleaning base to provide a safe and effective cleaning system for CD-ROM and Audio CDs. They are packaged with a convenient "zip-lock" pouch.

The Allsop Quarter Inch Cartridge Tape Drive Cleaning Systems are fully automatic. The dual action effectively removes oxides and debris from both the sensitive tape drive head and capstan. Allsop's Ultreen 144 cleaning solution breaks down hardened head contaminants. The absorbent, non-shedding pads allow full conformance to heads and ensure thorough cleaning of the entire head surface.
$10.95 retail; 3.5-inch Drive Cleaning System
$12.95 retail; 3.5-inch Maintenance System
$17.95 retail; 5.25-inch Maintenance System
$12.95 retail; 3.5- and 5.25-inch Disk Drive Cleaning System
$29.95 retail; 8mm Cleaning Cartridge
$12.95 retail; Airduster 134A
$6.95 retail; Anti-Static Cleaning Towelettes
$15.95 retail; CD-ROM Disc Cleaning System
$49.95 retail; Complete Office Care System
$6.95 retail; CD-ROM Fast Wipes
$37.95 to $59.95 ($16.95 for refill kits) retail; Quarter Inch Data Tape Drive Cleaning Systems
Allsop, Inc.; PO Box 23; Bellingham, WA 98227; 206-734-9090, 800-426-4303 or 206-734-9858 (fax)

■ Allsop Personal Computer Cables
For data transfers between devices

All Allsop Computer Cables are manufactured to strict tolerances with high-quality components and using tightly monitored assembly procedures. Electronically tested throughout the assembly procedure, Allsop Computer Cables are engineered to insure the integrity of data transfer between devices.
$7.95 retail; 6-foot cable
$9.95 retail; 10-foot cable
Allsop, Inc.; PO Box 23; Bellingham, WA 98227; 206-734-9090, 800-426-4303 or 206-734-9858 (fax)

■ Allsop Storage Systems
Disk storage files, organizers, caddies

The Allsop Library Disk Storage Files are constructed from ultra-durable polypropylene and provide "safe deposit boxes" for data. They feature a compact design and a removable label system for easy cataloging. They are available in both five and 10 disk capacity format.

The Allsop CD Caddy provides convenient and protective storage for valuable CD-ROM discs. The three-pack contains three colorful CD Caddies, allowing for easy indexing of titles.

The Allsop CD-ROM Disc Organizer safely stores and organizes single or multiple CD-ROM and CD sets. In place of slots, which hold each individual disc, the Allsop Disc Organizer utilizes spring loaded retention fingers. The granite colored organizers are stackable, wall-mountable and hold up to 25 discs.

The Allsop Compact Disc Caddy for CD-ROM is a protective case that helps safeguard compact discs from dust, fingerprints and scratches. The discs can be transferred directly into the CD Caddy from its container, minimizing exposure to outside elements.

The Data Cartridge Storage System features a compact design, durable construction and maximum protection.

Each Allsop Disk File/6 Transportable is designed to carry up to six 3.5-inch disks. Molded in three attractive colors, the DF/6 fits conveniently in a briefcase, purse or pocket.

Allsop offers three versions of its Large Volume Disk Organizers accommodating 30 (DF30M) or 80 (DF80M) 3.5-inch disks and 60 (DF60) 5.25-inch floppies. They are equipped with adjustable dividers, indexing labels and constructed with high-impact materials. Its unique hinge design holds the lid in the "up" position and its spring-loaded latch keeps the protective lid securely closed. They are available in platinum gray, grape, cobalt, burgundy, granite and huntergreen.

The Allsop Multi-Media Storage features a unique, compact design that holds many combinations of media. Durably constructed from high-impact materials, it has a built-in handle, a spring-loaded latch that keeps the lid secure, non-skid rubber feet and a snap-in divider system.

Constructed of moisture-resistant cordura, the Allsop Softpack Transportable is designed to carry up to 16 3.5-inch disks. Protective flaps prevent disks from falling out, and two colored Allsop Twin Pack Disk Files allow for ease in locating and identifying specific disks.

Allsop Twin Pack Disk Files house two 3.5-inch disks during storage or transportation. The plastic disk files safeguard disks from environmental contaminants and are compact to fit in briefcases, notebooks and even jacket pockets. Sold four files to a package, the files are colored for easy identification.

$4.95 to $6.95 retail; 3.5- and 5.25-inch Library Disk Storage Files
$11.95 to $24.95 retail; CD Caddy
$15.95 retail; CD-ROM Disc Organizer
$14.95 retail; Compact Disc Caddy for CD-ROM
$12.95 retail; Data Cartridge Storage System-DC2000
$6.95 retail; Disk File/6 Transportable
$10.95 to $17.95 retail; Large Volume Organizers
$13.95 retail; Multi-Media Storage
$16.95 retail; Softpack Transportable
$6.95 retail; Twin Pack
Allsop, Inc.; PO Box 23; Bellingham, WA 98227; 206-734-9090, 800-426-4303 or 206-734-9858 (fax)

Altec Lansing Multimedia Carrying Case
Carrying case for Altec Lansing Multimedia accessories
$90 retail
Altec Lansing Multimedia; PO Box 277; Milford, PA 18337; 717-296-2818, 800-648-6663 or 717-296-1222 (fax)

American Covers
Accessories
$6.95 retail; Computer-Hand II
$6.95 to $12.95 retail; Universal Cover
$8.95 retail; Mouse-Mat Fabric Surface
$5.95 retail; Mouse-Holder
$9.95 retail; Mouse-Mat II Hard Surface
$9.95 retail; Disk Doctor
$9.95 retail; Mouse Doctor
$6.95 retail; Mouse-House
$10.95 retail; Floppy-Wallets
$9.95 retail; Touch-n-It
$22.45 retail; ACI Keyboard Skin
$8.45 retail; Key Pads
$75 retail; Deluxe Notebook Carrying Case
$32.45 retail; Standard Notebook Carrying Case
$7.45 retail; Mouse Wrist Support
American Covers, Inc.; PO Box 1796; Sandy, UT 84091; 801-566-3100, 800-228-8987 or 801-566-7032 (fax)

American Marketing Computer Ergonomic Products
Ergonomic products; wrist rest, leg and lower back rest, back pillow and anti-glare filters
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American Marketing Executives Corp.; Computer Ergonomics Group; 27130 Paseo Espada, #1405-A; San Juan Capistrano, CA 92675; 714-661-5060, 800-759-5060 or 714-661-2454 (fax)

Anthro RackCart
Mobile rack mount
$659 starting price retail
Anthro Corp.; 10450 SW Manhasset Dr.; Tualatin, OR 97062; 503-691-2556, 800-325-3841 or 503-691-2409 (fax)

Anthro Workstation
Mobile, modular workstation
$299 starting price retail; call for free catalog
Anthro Corp.; 10450 SW Manhasset Dr.; Tualatin, OR 97062; 503-691-2556, 800-325-3841 or 503-691-2409 (fax)

AnthroArm GT
Space-saving armature
$339 to $419 retail; call for free catalog
Anthro Corp.; 10450 SW Manhasset Dr.; Tualatin, OR 97062; 503-691-2556, 800-325-3841 or 503-691-2409 (fax)

AnthroCart
Modular computer cart
$159.95 starting price retail; call for free catalog
Anthro Corp.; 10450 SW Manhasset Dr.; Tualatin, OR 97062; 503-691-2556, 800-325-3841 or 503-691-2409 (fax)

Anti-Static Table Mats
Protect equipment from static electricity
$19.95 to $39.95 retail
Peak Products, Inc.; 1306 E. 55th St.; Cleveland, OH 44103; 800-782-8628 or 216-361-0030 (fax)

AppleTalk/LocalTalk Connection Boxes, Extenders & Cables
AppleTalk/LocalTalk-compatible products
$4.95 to $39.95 retail
Interex Computer Products; 2971 S. Madison; Wichita, KS 67216; 316-524-4747 or 316-524-4636 (fax)

Archive Disk File Modular Cube Unit
3.5-inch disk holder; holds 300 disks
$19.95 retail
Weber & Sons, Inc.; PO Box 104-PR; Adelphia, NJ 07710; 908-431-1128, 800-225-0044 or 908-431-9578 (fax)

Auto Power Adapter
Automobile adapter
Macintosh PowerBook or Duo.
$99.95 retail; PowerBook
$69.95 retail; Duo
Battery Technology, Inc.; 5700 Bandini Blvd.; Commerce, CA 90040; 213-728-7874, 800-982-8284 or 213-728-7996 (fax)

Automobile Power Adapter For MessagePad
Automobile adapter
$99.95 retail
Battery Technology, Inc.; 5700 Bandini Blvd.; Commerce, CA 90040; 213-728-7874, 800-982-8284 or 213-728-7996 (fax)

Automobile Power Adapters
Allow computer operation and battery charging from an auto battery
$69.95 retail; Macintosh PowerBook Model PB-2
$89.95 retail; Macintosh PowerBook Duo Model PB-3
$69.95 retail; Macintosh Portable Model APA-MACP
$49.95 retail; Apple StyleWriter Model APA-SW
Lind Electronic Design Inc.; 6414 Cambridge St.; Minneapolis, MN 55426; 800-659-5956 or 612-927-7740 (fax)

Auxiliary Power Pack
Powers PowerBook computers
$149.95 retail; APP-2
$79.95 retail; APP-3
$79.95 retail; APP-5
Lind Electronic Design Inc.; 6414 Cambridge St.; Minneapolis, MN 55426; 800-659-5956 or 612-927-7740 (fax)

Auxiliary Power Pack "Footprint"
Provides four times the operating power
$199.95 retail; APP-102
$229.95 retail; APP-202
Lind Electronic Design Inc.; 6414 Cambridge St.; Minneapolis, MN 55426; 800-659-5956 or 612-927-7740 (fax)

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Labels, transparencies, organizer pages, business cards, index and tab dividers
Call for pricing
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Basic Needs
Notebook carrying cases, dust covers, plastic keyboard and printer covers, storage unit
$12.95 to $19.95 retail; Dust Cover
$16.95 to $19.95 retail; HardTop!
$69.95 retail; Mac IIcx/IIci Monitor Stand
$16.95 retail; Utility Pac
$59.95 to $109.95 retail; Notebook Carrying Cases
Basic Needs, Inc.; 118 State Pl., Ste. 202; Escondido, CA 92029; 619-738-7020, 800-633-3703 or 619-738-0515 (fax)

Ben Torres Ribbons
ImageWriter II four-color ribbons
$5.95 each retail
$4.95 retail; single color (red, blue, green, purple)
Ben Torres Ribbon & Toner Co.; 590 E. Industrial Rd., #15; San Bernardino, CA 92408; 909-796-5559

BlackLightning Toner Cartridges
Laser printer toner cartridges; ink jet refills; ozone filters
$65 retail; Remanufactured Toner Cartridges
$180 retail; MICR Toner
$100 retail; Color Toner Cartridges
$100 retail; Transfer Toner (15 colors)
$100 retail; Hi-Res Toner
$20 retail; Ink Jet Refills
$30 retail; Laser Printer Ozone Filters
BlackLightning, Inc.; Riddle Pond Rd.; West Topsham, VT 05086; 802-439-6462, 800-252-2599 or 802-439-6463 (fax)

BookEndz
PowerBook docking station
$129 retail
Pilot Technologies, Inc.; 10025 Valley View Rd., #130; Eden Prairie, MN 55344; 612-828-6002, 800-682-4987 or 612-828-6806 (fax)

■ **BTI Battery For PowerBook 100**
PowerBook battery
Macintosh PowerBook 100.
The MC-100 is a direct response to the demand for a viable battery. Designed to meet the exact weight and size specifications of Apple's original battery, the MC-100 provides up to two hours of computing power.
$59.95 retail; MC-100
Battery Technology, Inc.; 5700 Bandini Blvd.; Commerce, CA 90040; 213-728-7874, 800-982-8284 or 213-728-7996 (fax)

■ **BTI Charger For PowerBook 100 Batteries (MC-C10)**
PowerBook battery charger
Macintosh PowerBook 100.
The MC-C10 charger recharges original Apple or Battery Technology batteries for the PowerBook 100 in approximately two hours. It may be connected between the PowerBook 100 and the AC adapter to recharge the battery while providing continuous power to the PowerBook.
$79.95 retail
Battery Technology, Inc.; 5700 Bandini Blvd.; Commerce, CA 90040; 213-728-7874, 800-982-8284 or 213-728-7996 (fax)

■ **BTI Mini AC Adapter**
AC adapter
Macintosh PowerBook or Duo.
Compatible with the entire PowerBook (100 to 280C) and Duo (210 to 280) line, the Mini Adapter MC-0732 and MC-2410 may be used as a second adapter or as a replacement for the original AC adapter.

Lightweight (8 ounces) and smaller (2.3 by 1.5 inches) than Apple's original adapter, the Mini Adapter features a light indicator and automatic switching between 240 and 110V.
$85 retail; MC-0732 (PowerBook) or MC-2410 (Duo)
Battery Technology, Inc.; 5700 Bandini Blvd.; Commerce, CA 90040; 213-728-7874, 800-982-8284 or 213-728-7996 (fax)

Carpal Eez
Wrist rest
$27.95 retail
Viziflex Seels, Inc.; 16 E. Lafayette St.; Hackensack, NJ 07601; 201-487-8080 or 201-487-6637 (fax)

CD Caddy 5-Pack
Holds CD-ROMs
$60 retail; CD Caddy 5-Pack with free CD
CD Technology, Inc.; 766 San Aleso Ave.; Sunnyvale, CA 94086; 408-752-8500 or 408-752-8501 (fax)

CD Caddy Single
Retail display unit
$10 retail
CD Technology, Inc.; 766 San Aleso Ave.; Sunnyvale, CA 94086; 408-752-8500 or 408-752-8501 (fax)

Clean Fax
Fax cleaning kit
$14.95 retail
Curtis Manufacturing Co., Inc.; 30 Fitzgerald Dr.; Jaffrey, NH 03452; 603-532-4123, 800-955-5544 or 603-532-4116 (fax)

Clean Mouse
Mouse cleaning kit
$14.95 retail
Curtis Manufacturing Co., Inc.; 30 Fitzgerald Dr.; Jaffrey, NH 03452; 603-532-4123, 800-955-5544 or 603-532-4116 (fax)

CompuCover
Dust covers, keyboard protectors, disk wallets, mouse pads, carrying cases
$3.95 and up retail; CompuCover Dust Covers
$16.95 retail; CompuCover KeySkin Keyboard Protector
$9.95 and up retail; CompuCover Disk Wallets
$3.95 and up retail; CompuCover Mouse Pads
$39.95 and up retail; CompuCover Cases
CompuCover; 2104 Lewis Turner Blvd.; Ft. Walton Beach, FL 32547; 904-862-4448, 800-874-6391 (orders) or 904-863-2200 (fax)

CompUnite
High-speed modem cable
Macintosh Plus or larger.
$14 retail
Celestin Co.; 1152 Hastings Ave.; Port Townsend, WA 98368; 206-385-3767, 800-835-5514 or 206-385-3586 (fax)

Computer Accessory Kit
Computer accessories
$29.95 retail; Model CK-L
$29.95 retail; Model CK-C
ORA Electronics; 9410 Owensmouth Ave.; Chatsworth, CA 91311; 818-772-2700

Computer Cleaning Products
Cleaning products for micro, mini and mainframe computers and word processors
Call for pricing
Tech-Sa-Port; PO Box 5295; Pittsburgh, PA 15206; 800-543-2233

Computer Covers Unlimited
More than 1,000 styles of quality rip-stop nylon custom-designed dust covers; mouse pads; soft precision-molded keyboard protectors; monitor filter screens; cord organizers; wrist rest; laptop cases; security and ergonomic items
$5.95 to $28.95 retail; dust covers
$6.95 retail; mouse pads
$26.97 retail; keyboard protectors
$39.95 to $299.95 retail; anti-glare/radiation filters
$9.95 retail; cord organizers
$14.95 to $39.95 retail; The Wrist Watch
$19.95 to $59.95 retail; anti-theft products
$59.95 retail; Laptop carrying case
$39.95 retail; footrest
$12.95 retail; Mouse Rest
$11.98 to $22.98 retail; Earthquake Safety
$9.95 retail; Laptop Cleaner
Computer Covers Unlimited; 1365 N. Johnson, #112; El Cajon, CA 92020; 619-593-6381, 800-722-6837 or 619-593-6393 (fax)

Computer Dust Covers
High-quality, all fabric, custom fit design
$2 to $34.95 retail
Co-Du-Co Computer Dust Covers; 4802 W. Wisconsin Ave.; Milwaukee, WI 53208; 414-476-1584 or 800-735-1584

Computer Fun Accessories
Computer, keyboard and printer covers; mouse pads
$9.95 to $24.95 retail; Happy Face! Computer Covers
$11.95 retail; Animal Mouse Pads
$9.95 retail; Fig
Computer Fun; 9520 Padgett St., Ste. 102; San Diego, CA 92126; 619-271-9090, 800-521-8484 or 619-271-9291 (fax)

Computer Reference Wall
Organizes notes, lists and data for instant use
$29.95 retail
Viziflex Seels, Inc.; 16 E. Lafayette St.; Hackensack, NJ 07601; 201-487-8080 or 201-487-6637 (fax)

Computer Tool Kit
11-, 20-, 52- and 55-piece tool kits
$29.95 retail; 11-piece
$79.95 retail; 52-piece
$29.95 retail; 20-piece
$79.95 retail; 55-piece
Curtis Manufacturing Co., Inc.; 30 Fitzgerald Dr.; Jaffrey, NH 03452; 603-532-4123, 800-955-5544 or 603-532-4116 (fax)

■ **ComputerAid Carrying Cases**
MacSac PowerBook cases and carrying cases designed for all other Macintosh models; backpacks for the PowerBook and Classic

MacSac PowerBook/Notebook Cases and Printer Cases are made of high-quality materials, including the best dense foam padding, for maximum protection of a computer against shocks and jolts. ComputerAid Cases come with a lifetime warranty. All PowerBooks, Notebooks and Duos fit securely in the adjustable special computer compartment in these cases.

The MacSac Deluxe Case, compact in size, holds the PowerBook, seat belted in its own compartment. All the accessories fit in the numerous utility pockets and compartments. The outside expandable pocket holds paperwork (including legal size), extra equipment and business supplies in organizer pockets. Special details include the padded ergonomic handle, to make this case comfortable to carry, a diskette box in its own pocket and a battery pouch. A convenient pocket on the back provides easy access to a ticket and newspaper. It comes in rugged and attractive Ballistic Nylon.

The Lite Case, designed for traveling light, is the size of the PowerBook, with an outside pocket for the AC adapter, files and small accessories. It is made of durable Cordura Plus.

The PowerBook Briefcase Combo has three sections to conveniently hold all portable computing and travel accessories, including a printer. The full briefcase section has accordion dividers. The padded computer section has storage space for the peripherals. The zipper-out carry-all section features organizer pockets for business supplies, paperbacks and more, with space for newspapers and a sweater. It comes in Ballistic Nylon with a comfortable padded leather handle and shoulder strap.

The Classic PowerBook Carry All holds the PowerBook in a specially designed suspension system that protects the computer against damage from jolts. A portable printer fits in a separate compartment. Numerous pockets conveniently organize all the peripherals, office supplies and cellular phone. Special details such as the comfortable padded handle and state-of-the-art shoulder pad make this case comfortable to carry. Made in Ballistic Nylon, with dense foam padding, this case looks good after years of heavy duty use. A lifetime warranty is included.

Other cases for the PowerBook include: Backpack, Padded Slip Cases. Cases are also available for the Classic, StyleWriter and HP DeskWriter.
$36 to $144 retail
ComputerAid, Inc.; PO Box 5120; Fall River, MA 02723; 800-343-3388 or 508-678-5094 (fax)

Curtis Anti-Glare Filter; Glass Filter Plus
All-glass optically coated anti-glare filter
$49.95 retail; Curtis Anti-Glare Filter
$99.95 retail; Curtis Glass Filter Plus
Curtis Manufacturing Co., Inc.; 30 Fitzgerald Dr.; Jaffrey, NH 03452; 603-532-4123, 800-955-5544 or 603-532-4116 (fax)

Curtis Manufacturing Accessories
Accessories
$14.95 retail; MacFeet
$9.95 retail; Cable Organizers
$9.95 retail; Super Clip
$5.95 retail; Curtis Clip
$6.95 to $8.95 retail; 3.5 File (without or with lock)
$6.95 retail; Mouse Pad
$69.95 retail; Standard Monitor Arm
$24.95 retail; Tilt & Swivel
$39.95 retail; Keyboard Organizer
$19.95 retail; Top Shelf
$14.95 retail; Wrist Rest
Curtis Manufacturing Co., Inc.; 30 Fitzgerald Dr.; Jaffrey, NH 03452; 603-532-4123, 800-955-5544 or 603-532-4116 (fax)

Curtis Multi-Media Disk Box
Storage box for multimedia
$6.95 retail
Curtis Manufacturing Co., Inc.; 30 Fitzgerald Dr.; Jaffrey, NH 03452; 603-532-4123, 800-955-5544 or 603-532-4116 (fax)

Custom Imprinted Mouse Mats
Mouse pads
Call for pricing
Peak Products, Inc.; 1306 E. 55th St.; Cleveland, OH 44103; 800-782-8628 or 216-361-0030 (fax)

DC24
DC pocket adapter for use with 12 Volt battery/auto
$99 retail
Empire Engineering; 4251 S. Higuera St., #500; San Luis Obispo, CA 93401; 805-543-2816 or 805-543-2820 (fax)

DC7.5
Vehicle DC power pocket adapter for Macintosh PowerBooks
$99 retail
Empire Engineering; 4251 S. Higuera St., #500; San Luis Obispo, CA 93401; 805-543-2816 or 805-543-2820 (fax)

Deluxe Computer Accessory Kit
Basic elements needed to protect a computer system and increase productivity
$69.95 retail; Model CK-LX
$69.95 retail; Model CK-CX
ORA Electronics; 9410 Owensmouth Ave.; Chatsworth, CA 91311; 818-772-2700

Design Station
Integrated CAD station
$1,375 and up retail
Ergotron, Inc.; 3450 Yankee Dr., Ste. 100; Eagan, MN 55121; 612-452-8135, 800-888-8458 or 612-452-8346 (fax)

Designer Dust Covers
Fabric dust covers for monitors, keyboards and printers
$24.95 retail; monitor/keyboard dust cover set
$19.95 retail; printer dust cover
$19.95 to $25.95 retail; dust covers
$11.95 retail; disk wallets
$59.95 to $64.95 retail; Mac carrying bags
$39.95 retail; PowerBook carrying case
$9.95 retail; mouse pads
$19.95 retail; wrist relief pads
Crosby Creations; E. 124 Sinto Ave.; Spokane, WA 99202; 509-326-5712 (phone/fax) or 800-842-8445

Desk Attachable Workstation
Space saving ergonomic computer workstation for any Macintosh system
$803 and up retail
Ergotron, Inc.; 3450 Yankee Dr., Ste. 100; Eagan, MN 55121; 612-452-8135, 800-888-8458 or 612-452-8346 (fax)

Desk Sets From Computer Expressions
Matching mouse pad, wrist rest and four coasters
$10.62 each; with logo, 144 pieces (quantity discounts available)
$22.50 to $25 retail; for stock designs (Hershey's, marble, etc.)
Computer Expressions, Inc.; 4200 Mitchell St.; Philadelphia, PA 19128; 215-487-7700 or 215-487-7728 (fax)

■ **Desktop Accessories Sets**
Desktop accessories
These colorful seven-piece desktop accessories sets come in floral and designer patterns and include mouse mat, wrist rest and four coffee coasters. Sold in master cartons of 20 sets each, the desktop sets brighten up the office and make wonderful incentive/promotional gifts for employees and customers alike. The fabric surface is washable and provides ideal traction for moving the mouse.
$6 to $9.95 retail; each set
Peak Products, Inc.; 1306 E. 55th St.; Cleveland, OH 44103; 800-782-8628 or 216-361-0030 (fax)

Desktop Publishing And Graphics Art Furniture
Computer furniture
Call for pricing and free catalog
Foster Manufacturing Co.; 414 N. 13th St.; Philadelphia, PA 19108; 215-625-0500, 800-523-4855 or 215-625-0196 (fax)

Disk Wallets And Disk Books
Disk carriers and computer carrying cases
$8.95 to $125 retail
Precision Line, Inc.; 14505 21st Ave. N, Ste. 206; Plymouth, MN 55447; 612-475-3550, 800-328-0077 or 612-475-3577 (fax)

Disk-O-Tech
Patented brief-case style 3.5-inch disk storage case
$69.99 retail; dealers invited
Group III Micro Products Co.; PO Box 583; Arlington, TX 76004; 817-277-1986 or 817-795-6150 (fax)

Drive Cleaner
Combines software with the 3M cleaning disk and fluid
Any Macintosh; System 6.0.2 or later.
$34.95 retail
Seven Hills Software; 2310 Oxford Rd.; Tallahassee, FL 32304; 904-575-0566 or 904-575-2015 (fax)

Dual ADB Extender
Allows users to daisy chain ADB devices to one computer port
Macintosh Plus or larger.
$33.95 retail
AESP, Inc.; 1810 NE 144th St.; N. Miami Beach, FL 33181; 305-944-7710, 800-446-2377 or 305-652-8489 (fax)

Dual Battery Charger
Charges two NiCad battery packs and runs a PowerBook at the same time
$59.95 retail
Lind Electronic Design Inc.; 6414 Cambridge St.; Minneapolis, MN 55426; 800-659-5956 or 612-927-7740 (fax)

DynoPaper
Laser paper for printing pages for personal organizers; especially useful with address book and other Personal Information Management (PIM) software
$12.95 retail; box of 50 sheets
Portfolio Software, Inc.; 1 Millet St.; PO Box 1010; Richmond, VT 05477; 802-434-6400, 800-729-3966 or 802-434-7000 (fax)

Extension Kit For Macintosh II Computers
Cable extension
$34.95 retail; Model XTND-A
ORA Electronics; 9410 Owensmouth Ave.; Chatsworth, CA 91311; 818-772-2700

External Battery Charger For Macintosh Portable
Allows a spare battery to be charged from AC power or from 12 volt DC
$99.95 retail; Model MEBC-2
Lind Electronic Design Inc.; 6414 Cambridge St.; Minneapolis, MN 55426; 800-659-5956 or 612-927-7740 (fax)

External Battery Charger For Macintosh PowerBook 100
Charges a spare battery
$109.95 retail
Lind Electronic Design Inc.; 6414 Cambridge St.; Minneapolis, MN 55426; 800-659-5956 or 612-927-7740 (fax)

External Battery Charger/Conditioner For PowerBook NiCad Batteries
Charges and conditions spare battery
$59.95 retail
Lind Electronic Design Inc.; 6414 Cambridge St.; Minneapolis, MN 55426; 800-659-5956 or 612-927-7740 (fax)

Fiberbilt Cases
Carrying and airline-safe cases for Macintosh, printers, accessories
$100 to $350 retail
Fiberbilt Cases, Inc.; 601 W. 26th St.; New York, NY 10001; 212-675-5820, 800-847-4176 or 212-691-5935 (fax)

FlipNotes
Keyboard reference template
$29.95 retail; five-panel version
$4.95 retail; single panels available separately
Multicomp, Inc.; PO Box 2761; Abilene, TX 79604; 915-676-0844, 800-541-4351 or 915-675-5944 (fax)

FloppiClene
Floppy disk drive head cleaner
$34.95 retail
Tech-Sa-Port; PO Box 5295; Pittsburgh, PA 15206; 800-543-2233

Free Standing Workstation
Space-saving ergonomic computer workstation
$908 and up retail
Ergotron, Inc.; 3450 Yankee Dr., Ste. 100; Eagan, MN 55121; 612-452-8135, 800-888-8458 or 612-452-8346 (fax)

The Glarbuster
Reduces glare and maximizes privacy
$149 retail; non-expandable model for laptop 6-inch screens
$189 retail; non-expandable model for 14-inch monitors
The Glarbuster Co.; 980 Post Rd. E, Ste. 3; Westport, CT 06880; 203-226-1547 or 203-222-0180 (fax)

Glare Eliminator Kit
Eliminates glare and reflection from a computer's screen, TV or video monitor
$14.95 retail
Opto-Technics Co.; 105 Westfield Ln.; Des Plaines, IL 60018; 708-699-4075

H-B Associates
Network cables, assembly plugs, extenders, mini DIN connectors
Call for pricing
H-B Associates; PO Box 857; Union City, CA 94587; 800-423-3014 or 510-475-1013 (fax)

Imaging Products
Laser transparency film, laser NCR paper and laser no-tear sheets
Call for pricing
Imaging Products; 12696 Rockhaven Rd.; Chesterland, OH 44026; 216-285-2813 or 216-285-4516 (fax)

Infotek Accessories
Accessories
$40 retail; Laser Charge (recharges laser cartridges)
$19.95 each retail; MacInker II, Mac Workstation, MacTools, MacSpeaker
$49 retail; MacCool
$12.95 retail; MacKeybase
$49.95 retail; MacAmp
$6.95 each retail; ImageWriter colored ribbons
$5 retail; ImageWriter black ribbon
$29 retail; MacDesk
$4.95 retail; MousePointer
$350 retail; PortaMac
$299 retail; MacUPS
$34.95 retail; MacPortSwitch, two-device switch
$59.95 retail; MacPortSwitch, four-device switch
$52.95 retail; Mac+PortSwitch, two-device switch for Macintosh Plus
Infotek, Inc.; 56 Camille; E. Patchogue, NY 11772; 516-289-9682

Interex Cables And Adapters
Cables
$8.95 to $45.95 retail
Interex Computer Products; 2971 S. Madison; Wichita, KS 67216; 316-524-4747 or 316-524-4636 (fax)

Interex Mac Tool Kit
Tool kit
$19.95 retail
Interex Computer Products; 2971 S. Madison; Wichita, KS 67216; 316-524-4747 or 316-524-4636 (fax)

Interex PB Tool
Self-storing driver to service PowerBooks
$14.95 retail
Interex Computer Products; 2971 S. Madison; Wichita, KS 67216; 316-524-4747 or 316-524-4636 (fax)

■ **Interex PowerBook Auto Adapter**
Auto adapter
Macintosh PowerBook 145 to 180c.
The Interex PowerBook Auto Adapter is designed to meet the mobile needs of today's PowerBook users. The Auto Adapter is a mobile power source that recharges a PowerBook from an auto cigarette lighter, and is small enough to stow away for hassle-free travel. PowerBook Auto Adapter also features an LED visual alarm that indicates that the unit is working properly and has a one-year warranty.
$49 to $59 retail
Interex Computer Products; 2971 S. Madison; Wichita, KS 67216; 316-524-4747 or 316-524-4636 (fax)

■ **Interex PowerPlant**
Chargers and conditioners
Macintosh PowerBook 145 to 180c.
The Interex PowerPlant — Single, Dual and Portable are fast chargers and conditioners and are designed specifically for today's "on the go" PowerBook users. The fast charge feature will provide time-saving convenience, while the conditioning mode extends battery life by eliminating the "memory effect" commonly experienced with Nickel Cadmium battery packs. Features include: charges and conditions PowerBook batteries from home, office or car; charges faster than conventional chargers; easy-to-read LED visual alarms indicate that the unit is working properly and allow monitoring of the battery status through all phases of conditioning and charging; and a one-year warranty.
$59 retail; single
$69 to $79 retail; dual
$49 to $59 retail; portable
Interex Computer Products; 2971 S. Madison; Wichita, KS 67216; 316-524-4747 or 316-524-4636 (fax)

■ **Iron-On Name Pad Kits**
Personalized mouse pads for kids
This complete kit makes it easy to put a user's own name on their mouse pad. The package includes more than 700 name decals, plus extra alphabet letters so kids can cut and paste virtually any name in existence. Mini-practice pad and complete instructions let kids practice the simple ironing procedure before putting their own name on the actual pad. Colorful mouse pad designs encourage kids to live out their fantasies, picturing themselves as anything from a topflight aviator to a baseball superstar.
$9.99 retail

These Products Available Through Bottom Line Distribution
1-800-347-1923

Computer Expressions, Inc.; 4200 Mitchell St.; Philadelphia, PA 19128; 215-487-7700 or 215-487-7728 (fax)

Jet-Master
Ink jet printer cartridge recharging system
$20.95 and up retail
Computer Friends, Inc.; 14250 NW Science Park Dr.; Portland, OR 97229; 503-626-2291 or 503-643-5379 (fax)

JetFill
Ink jet printer refills and compatible cartridges
Call for pricing
JetFill Inc.; 10815 Seaboard Loop; Houston, TX 77099; 713-933-1900, 800-695-4538 or 713-933-1909 (fax)

JetInc.
Ink jet printer cartridge refill unit
$15.99 and up retail
DGR Technologies; 1219 W. 6th St., Ste. 205; Austin, TX 78703; 512-476-9855, 800-235-9748 or 512-476-6399 (fax)

■ **JitterBox**
Magnetic field suppressor
The JitterBox eliminates screen jitter, distortion, waviness and loss of color integrity due to background magnetic field interference with the monitor. The JitterBox shields the monitor by attracting and absorbing these background fields. Interference is prevented; image stability and color purity are restored. Common sources of these background magnetic fields are scanners, other monitors, fluorescent lights, electrical cables and power transformers. The JitterBox protects the monitor against interference from external magnetic field sources. Designed to go around the top, sides and bottom of the monitor, the Jitterbox is available in three sizes and adjusts in height and width to custom fit any size monitor — from 9-inch to 21-inch diagonal displays. No special tools are required for installation.
$395 retail
NoRad Corp.; 1160 E. Sandhill Ave.; Carson, CA 90746; 310-605-0808, 800-262-3260 or 310-605-5051 (fax)

JMR Electronics Turnkey Enclosures
Turnkey computer peripheral enclosures
$50 to $4,000 retail
JMR Electronics, Inc.; 20400 Plummer St.; Chatsworth, CA 91311; 818-993-4801 or 818-993-9173 (fax)

Kensington NoteBook Traveler
Carrying cases
$79.95 retail; Compact
$129.95 retail; Deluxe
$199.95 retail; Executive
Kensington Microware, Ltd.; 2855 Campus Dr.; San Mateo, CA 94403; 415-572-2700, 800-535-4242 or 415-572-9675 (fax)

Kensington Notebook Traveler Tote
Carrying case
$59.95 retail
Kensington Microware, Ltd.; 2855 Campus Dr.; San Mateo, CA 94403; 415-572-2700, 800-535-4242 or 415-572-9675 (fax)

Kensington Power Traveler DC Adapter
Power adapter
Macintosh PowerBook 100, 140, 145, 145B, 160, 165, 170, 180, 500 Series.
$79.95 retail
Kensington Microware, Ltd.; 2855 Campus Dr.; San Mateo, CA 94403; 415-572-2700, 800-535-4242 or 415-572-9675 (fax)

Keyboard Calculator
Calculator
$9.95 retail
Curtis Manufacturing Co., Inc.; 30 Fitzgerald Dr.; Jaffrey, NH 03452; 603-532-4123, 800-955-5544 or 603-532-4116 (fax)

KeyCappers
Keyboard labels
$14.95 retail
PowerByte, Inc.; PO Box 20509; Dag Hammarskjold C.C.; New York, NY 10017; 212-397-1909 (phone/fax)

Keyguards For Alternative Keyboards
Keyguards
$50 each retail
$250 retail; six IntelliKeys Keyguards
IntelliTools, Inc.; 5221 Central Ave., Ste. 205; Richmond, CA 94804; 510-528-0670, 800-899-6687 or 510-528-2225 (fax)

KeySeals
Protects keyboard from spills, dust, etc.
$24.95 retail
Crosby Creations; E. 124 Sinto Ave.; Spokane, WA 99202; 509-326-5712 (phone/fax) or 800-842-8445

KleenJet
Cleans the interior paper path of ink jet and bubble jet printers
$29.95 retail
AudioSource, Inc.; 1327 N. Carolan Ave.; Burlingame, CA 94010; 415-348-8114 or 415-348-8083 (fax)

KleenLaser
Laser printer cleaner
$24.95 retail
AudioSource, Inc.; 1327 N. Carolan Ave.; Burlingame, CA 94010; 415-348-8114 or 415-348-8083 (fax)

KleenLens
Laser lens cleaner
$29.95 retail
AudioSource, Inc.; 1327 N. Carolan Ave.; Burlingame, CA 94010; 415-348-8114 or 415-348-8083 (fax)

KleenScreen
Prevents static buildup and reduces glare
$29.95 retail
AudioSource, Inc.; 1327 N. Carolan Ave.; Burlingame, CA 94010; 415-348-8114 or 415-348-8083 (fax)

Komfort Wrist Rest
Wrist support
$29.95 retail; quantity discounts available
JMJ Enterprises; 22855 Lake Forest Dr., Ste. E202; Lake Forest, CA 92630; 714-472-4409 or 714-581-2230 (fax)

LabelOnce
Permanent, rewritable disk labels
$12.95 retail; Starter Kit with 50 labels (MSK50) in plastic clamshell
$895 retail; Starter Kit with 25 labels (MSK25)
$8.95 retail; Refill Pack with 50 labels, pen, eraser, color codes (MCR50) in plastic clamshell
Multicomp, Inc.; PO Box 2761; Abilene, TX 79604; 915-676-0844, 800-541-4351 or 915-675-5944 (fax)

LAN Workstation
Space-saving ergonomic computer workstation
$2,000 and up retail
Ergotron, Inc.; 3450 Yankee Dr., Ste. 100; Eagan, MN 55121; 612-452-8135, 800-888-8458 or 612-452-8346 (fax)

Laser Printer Carrel
Space-saving stand for laser printers
$89.95 retail; Laser Printer Carrel
$124.95 retail; Laser Printer Carrel Plus
Ring King Visibles, Inc.; 2210 Second Ave.; Muscatine, IA 52761; 800-272-2366 or 800-272-2382 (fax)

Laser Printer/Fax Stand
Space-saving stand for laser printers/fax machines
$199.95 retail
Ring King Visibles, Inc.; 2210 Second Ave.; Muscatine, IA 52761; 800-272-2366 or 800-272-2382 (fax)

LaserColor
Add bright metallic spot color to laser-printed pages
$20 retail
BlackLightning, Inc.; Riddle Pond Rd.; West Topsham, VT 05086; 802-439-6462, 800-252-2599 or 802-439-6463 (fax)

LaserColor
Adds brilliant, metallic color to laser printer or dry-toner desktop copier output
$19.95 retail; dealer inquiries welcome
Minds In Motion, Inc.; 14260 Garden Rd., Ste. 30B; Poway, CA 92064; 619-748-5003

LockingStation
Monitor stand offering notebook portability with desktop comfort
$69.99 retail
CMG Computer Products; PO Box 160310; Austin, TX 78716; 512-329-8220, 800-880-9980 or 512-329-5532 (fax)

Mac Arm
Macintosh monitor arm
$119 retail
Agio Designs; 1400 NW Compton Dr.; Beaverton, OR 97006; 503-690-1400, 800-688-2446 or 503-690-1443 (fax)

Mac Inker
Ribbon re-inker
$50 to $80 retail; Mac Inker
$90 retail; Multicolor Mac Inker
$40 retail; Multicolor Mac Inker adapter (for existing Universal Base)
Computer Friends, Inc.; 14250 NW Science Park Dr.; Portland, OR 97229; 503-626-2291 or 503-643-5379 (fax)

MacGlare/Guard
Anti-glare filters
$89 to $249 retail
Optical Coating Laboratory, Inc.; Glare/Guard Division; 2789 Northpoint Pkwy.; Santa Rosa, CA 95407; 800-545-6254 or 707-525-7595 (fax)

Macintosh IIcx/IIci Carrying Case
Carrying case
$85 retail; IIcx/IIci carrying case
$125 retail; LC/IIsi carrying case
$90 retail; Apple PowerBook case
$80 retail; Macintosh Classic case
$10 retail; Executive Disk Wallet
$50 retail; StyleWriter case
West Ridge Designs, Inc.; 1236 NW Flanders; Portland, OR 97209; 503-248-0053, 800-548-0053 or 503-274-7685 (fax)

Macintosh Keyboard Shortcut Decal Set
Stick-on key tops
$9.95 per set retail; quantity prices available (call for free catalog)
Max•Data Corp.; 625 N. Gilbert Rd., Ste. 104; Gilbert, AZ 85234; 602-926-1778 or 602-892-6804 (fax)

MacJackets
CPU and keyboard covers
$10.95 to $19.95 retail
I/O Design, Inc.; PO Box 156; Exton, PA 19341; 215-524-7277, 800-241-2122 (sales) or 215-524-7946 (fax)

MacLuggage
Carry cases
$89.95 to $149.95 retail; MacLuggage Originals
$89.95 retail; Imageware
$139.95 retail; Monitorware Apple 13-inch RGB Monitors
$9.95 retail; ImageWriter Ribbons (nine different colors)
$13.95 retail; ImageWriter II four-color ribbons
$129.95 retail; Mac IIci/cx
I/O Design, Inc.; PO Box 156; Exton, PA 19341; 215-524-7277, 800-241-2122 (sales) or 215-524-7946 (fax)

MacOpener
Tool to open Macintosh case; Torx driver at one end, opener at the other
$19.95 retail
Central Products Corp.; 1606 Indiana; Houston, TX 77006; 713-529-1080 or 713-529-2006 (fax)

MacShield And PC Shield
ELF magnetic radiation shield
$99 retail
Environmental Services & Products, Inc.; 4820 Riverbend Rd., Ste. C; Boulder, CO 80301; 303-442-2578 or 303-442-0670 (fax)

MacSilencer
Noise silencer
Macintosh Classic or larger.
$99 retail
Applied Technologies; Niedstrasse 22; D-12159 Berlin; Germany; +49-30-8592958 or +49-30-8514615 (fax)

MacTilt
Ergonomic tilt/swivel Macintosh pedestal base
$70 retail
Ergotron, Inc.; 3450 Yankee Dr., Ste. 100; Eagan, MN 55121; 612-452-8135, 800-888-8458 or 612-452-8346 (fax)

Maxi Screen Enlarger
Magnifies up to two times the original
$19.95 retail
Engineering Consulting; 583 Candlewood St.; Brea, CA 92621; 714-671-2009 or 714-255-9984 (fax)

MC-170 Battery
High-capacity replacement battery
Macintosh PowerBook.
$69.95 retail
Battery Technology, Inc.; 5700 Bandini Blvd.; Commerce, CA 90040; 213-728-7874, 800-982-8284 or 213-728-7996 (fax)

Memory Saver
Retains Macintosh PowerBook data when the internal battery is removed and replaced
$10.95 retail
Lind Electronic Design Inc.; 6414 Cambridge St.; Minneapolis, MN 55426; 800-659-5956 or 612-927-7740 (fax)

MEXT-xx
Video extension cable
$100 plus $2.20 per foot retail
Network Technologies, Inc.; 1275 Danner Dr.; Aurora, OH 44202; 216-562-7070, 800-742-8324 or 216-562-1999 (fax)

MFTA
Macintosh/Quadra multifrequency terminator adapter
$175 retail
Extron Electronics; 13554 Larwin Cir.; Santa Fe Springs, CA 90670; 310-802-8804, 800-633-9876 or 310-802-2741 (fax)

MicroStore Accessories
Disk holders and mouse pads
Call for pricing; mouse pads and custom mouse pads $8.95 to $34.95 retail; DiskBooks and Travellers $1.95 retail; Tef-glides
MicroStore, Inc.; PO Box 33; Le Sueur, MN 56058; 612-665-3284, 800-962-8885 or 612-665-2604 (fax)

MKEXT-200
Keyboard extension cable
$45 to $150 retail
Network Technologies, Inc.; 1275 Danner Dr.; Aurora, OH 44202; 216-562-7070, 800-742-8324 or 216-562-1999 (fax)

Monitor Stand
Stand for notebook-style computers and their external video monitors weighing less than 100 pounds
$64.95 retail
Pilot Technologies, Inc.; 10025 Valley View Rd., #130; Eden Prairie, MN 55344; 612-828-6002, 800-682-4987 or 612-828-6806 (fax)

■ **MountMate**
Mounting table for scanners
The MountMate mounting table helps users exploit their removable-drum scanner to the fullest. This well-designed accessory provides a number of attractive features to increase throughput and simplify the task of preparing originals for scanning. The alignment grid makes it easy to mount images precisely. A handy tape holder is supplied with the unit and can be attached on either side of the table. Roller pressure is adjustable to further facilitate image mounting. The MountMate is also a light table, with a 5,000K light source built into the frame.
$1,800 retail
ScanView, Inc.; 330 Hatch Dr., Ste. A; Foster City, CA 94404; 415-378-6360 or 415-378-6368 (fax)

Mouse Ease Picture Pad, Print Pad And Calendar Pad
Mouse pad
$5 to $14.95 retail
Precision Line, Inc.; 14505 21st Ave. N, Ste. 206; Plymouth, MN 55447; 612-475-3550, 800-328-0077 or 612-475-3577 (fax)

Mouse Ease; Fast Pad
Mouse pads
$7.95 to $11.95 retail; Mouse Ease
$14.95 retail; Fast Pad
Precision Line, Inc.; 14505 21st Ave. N, Ste. 206; Plymouth, MN 55447; 612-475-3550, 800-328-0077 or 612-475-3577 (fax)

Mouse Pads From Computer Expressions
Customized with company logos or school seals
$8.50 each; with logo, 12 pieces
$4.19 each; with logo, 144 pieces (quantity discounts available)
$5 to $12.50 retail; for stock designs (Oz, Hershey's, etc.)
Computer Expressions, Inc.; 4200 Mitchell St.; Philadelphia, PA 19128; 215-487-7700 or 215-487-7728 (fax)

Mouse Paw
Wrist rest
$8.95 retail
Viziflex Seels, Inc.; 16 E. Lafayette St.; Hackensack, NJ 07601; 201-487-8080 or 201-487-6637 (fax)

Mouse Paw
Support pad
$7.95 retail
Precision Line, Inc.; 14505 21st Ave. N, Ste. 206; Plymouth, MN 55447; 612-475-3550, 800-328-0077 or 612-475-3577 (fax)

Mouse Shadow
Computer wrist support
$19.95 retail
ShadowTech International, Inc.; 1511 W. Gore Blvd., Ste. G; Lawton, OK 73501; 405-355-3839, 800-392-1402 or 405-355-1578 (fax)

MouseKlip
Frees the mouse from wire snags
Call for pricing
Gahman's Business Supply; 109 S. Second St.; Perkasie, PA 18944; 215-257-6384 or 215-453-9131 (fax)

MouseMitt
Carpal Tunnel Syndrome protection
$9.95 each retail; MouseMitt Computer Glove (specify left or right hand)
$10.95 single ($19.95 pair) retail; MouseMitt Keyboarders
MouseMitt International; 75 Green Valley Rd., Dept. M; Scotts Valley, CA 95066; 408-335-9599 or 408-335-9598 (fax)

Moustrak Mouspads
Mouse control aid
$7.95 to $10.95 retail
$11.95 retail; Moustrak L/F
$14.95 retail; Graphic Pads
$16.95 retail; Star Trek Mouspad
$14.95 retail; Star Wars Mouspad
Moustrak, Inc.; 2701 Conestoga Dr., #123; Carson City, NV 89706; 800-221-6687 or 702-884-1827 (fax)

Multimedia Presentation Kiosk
Cabinet for multimedia productions
Any Macintosh with external monitor.
$995 starting price retail; counter-top models
GRaN Design; 214 California Dr.; Burlingame, CA 94010; 415-347-2301 or 415-347-3840 (fax)

Multiple Charger For Duo
Will independently charge and condition four PowerBook Duo batteries
$199.95 retail
Lind Electronic Design Inc.; 6414 Cambridge St.; Minneapolis, MN 55426; 800-659-5956 or 612-927-7740 (fax)

Multiple PowerBook Battery Charger-Conditioner
Will independently charge and condition four PowerBook batteries
$199.95 retail
Lind Electronic Design Inc.; 6414 Cambridge St.; Minneapolis, MN 55426; 800-659-5956 or 612-927-7740 (fax)

NiCad Condition-In-Place Unit
Battery conditioning unit for Macintosh PowerBook 140 through 180
$49.95 retail
Lind Electronic Design Inc.; 6414 Cambridge St.; Minneapolis, MN 55426; 800-659-5956 or 612-927-7740 (fax)

NoLabelSystem
Disk identification without labels
$23.95 retail; NoLabelSystem C-100 with inserts (call for free sample)
Weber & Sons, Inc.; PO Box 104-PR; Adelphia, NJ 07710; 908-431-1128, 800-225-0044 or 908-431-9578 (fax)

NoRad Corp.
Magnetic field suppressor, monitor shields, field meters
$65 to $131 retail; ELF ProTech
$129 to $349 retail; NoRad Shield
$149 to $299 retail; UltraGlass
$189 to $199 retail; Field Meters
NoRad Corp.; 1160 E. Sandhill Ave.; Carson, CA 90746; 310-605-0808, 800-262-3260 or 310-605-5051 (fax)

Notepower
Universal auto adapter
$59.95 retail
Statpower; 7725 Lougheed Hwy.; Burnaby, BC, Canada V5A 4V8; 604-420-1585, 800-668-0003 (sales) or 604-420-1591 (fax)

OptiMedia 3.5/5.25-Inch Optical Disk Cleaning Kit
3.5- and 5.25-inch disk cleaner for ISO disks
$39.95 retail; call for catalog and current pricing
OptiMedia, Inc.; 831 Grove Rd.; Midlothian, VA 23113; 804-794-5852, 800-775-0949 or 804-794-6194 (fax)

ORA Electronics "Data Spec Series" Cables
Cables for Macintosh, Macintosh Plus, SE and II; includes AppleTalk, SCSI, Apple Desktop Bus, MIDI applications and more
$6.95 to $46.95 retail
ORA Electronics; 9410 Owensmouth Ave.; Chatsworth, CA 91311; 818-772-2700

The Organizer
Pedestal base and storage cart for laser printers
LaserWriter family.
$199.95 retail; Organizer
$79.95 retail; Organizer Jr.
CoStar Corp.; 100 Field Point Rd.; Greenwich, CT 06830; 203-661-9700, 800-426-7827 or 203-661-1540 (fax)

OTT-Lite
Computer task lamp
$79.95 retail
Environmental Lighting Concepts, Inc.; Attn: Peter Roos; 3923 Coconut Palm Dr.; Tampa, FL 33619; 813-621-0058, 800-842-8848 or 813-626-8790 (fax)

OverLap
Portable worksurface for PowerBooks
$19.99 retail
CMG Computer Products; PO Box 160310; Austin, TX 78716; 512-329-8220, 800-880-9980 or 512-329-5532 (fax)

Pad Pouch
Carrying case
Newton MessagePad.
$32.95 retail
Keep It Simple Software and Solar; 32 S. Ewing, Ste. 211; Helena, MT 59601; 406-442-3434, 800-327-6882 or 406-449-8946 (fax)

Papertech Reference Sets
Reference cards
$15.95 retail; Desktop Publishing Fundamentals
15.95 each retail; Quick Reference to PageMaker, Excel or Microsoft Word
$4.95 retail; erasable diskette labels (25 per pack)
Papertech Marketing Group, Inc.; 163 Buttermill Ave., Unit 12; Concord, Ontario, Canada L4K 3X8; 416-660-1756, 800-387-3626 or 416-660-1604 (fax)

PB-1
PowerBook wrist support
$4.25 retail
Precision Line, Inc.; 14505 21st Ave. N, Ste. 206; Plymouth, MN 55447; 612-475-3550, 800-328-0077 or 612-475-3577 (fax)

PBPack
Accessory battery case
Macintosh PowerBook 140 through 180c; VST ThinPack battery.
$40 retail
$239.95 retail; with ThinPack battery and ThinPack Utilities software
Pilot Technologies, Inc.; 10025 Valley View Rd., #130; Eden Prairie, MN 55344; 612-828-6002, 800-682-4987 or 612-828-6806 (fax)

Pocket Changé
Pocket power source for PowerBook 140 to 180c computers
$29.95 to $39.95 retail
Interex Computer Products; 2971 S. Madison; Wichita, KS 67216; 316-524-4747 or 316-524-4636 (fax)

Pocket Power Inverter Model Prowatt 125
Converts 12-volt DC power to 115-volt AC power; small and totally portable; allows operation of Mac from cigarette lighter or any vehicle
Macintosh Plus or SE.
$109.95 retail
Statpower; 7725 Lougheed Hwy.; Burnaby, BC, Canada V5A 4V8; 604-420-1585, 800-668-0003 (sales) or 604-420-1591 (fax)

PocketNet
Connection kit
$29.95 retail; modem only version
$59.95 retail; Mac modem/network version
Pilot Technologies, Inc.; 10025 Valley View Rd., #130; Eden Prairie, MN 55344; 612-828-6002, 800-682-4987 or 612-828-6806 (fax)

Power2GO
DC-to-AC power inverter
Macintosh PowerBook.
$79 retail
Linksys; 16811A Millikan Ave.; Irvine, CA 92714; 800-546-5797, 714-261-1288 or 714-261-8868 (fax)

PowerBakPak
Back pack for the PowerBook
$119.95 retail
Utilitron, Inc.; 6079 Madera Dr.; Woodland Hills, CA 91367; 818-883-4646 or 800-428-8766

PowerBookOpener
Tool to open PowerBook computers
$18.95 retail
Central Products Corp.; 1606 Indiana; Houston, TX 77006; 713-529-1080 or 713-529-2006 (fax)

PowerCharger .
Electrical charging system
Macintosh PowerBook.
$129.95 retail
Battery Technology, Inc.; 5700 Bandini Blvd.; Commerce, CA 90040; 213-728-7874, 800-982-8284 or 213-728-7996 (fax)

PowerCharger Plus
Full-cycle fast charger
Macintosh PowerBook.
$149.95 retail
Battery Technology, Inc.; 5700 Bandini Blvd.; Commerce, CA 90040; 213-728-7874, 800-982-8284 or 213-728-7996 (fax)

PowerGage Battery
High-capacity replacement battery
Macintosh PowerBook.
$89.95 retail
Battery Technology, Inc.; 5700 Bandini Blvd.; Commerce, CA 90040; 213-728-7874, 800-982-8284 or 213-728-7996 (fax)

PowerHouse
Offers PowerBook portability with desktop comfort
$49.99 retail
CMG Computer Products; PO Box 160310; Austin, TX 78716; 512-329-8220, 800-880-9980 or 512-329-5532 (fax)

PowerPlate
Rechargeable power system
Macintosh PowerBook (100 series).
$169.95 retail; PowerPlate Mini 3
$239.95 retail; PowerPlate 3x
$299.95 retail; PowerPlate 5x
$99 retail; Connectix CPU software (included with all three PowerPlates)
Technöggin, Inc.; 1018 Delta Ave., Ste. 303; Cincinnati, OH 45208; 513-321-1777, 800-305-7936 or 513-321-2348 (fax)

PowerScreen
PowerBook screen magnifier
$29.99 retail
CMG Computer Products; PO Box 160310; Austin, TX 78716; 512-329-8220, 800-880-9980 or 512-329-5532 (fax)

PowerSwap
Allows users to swap PowerBook batteries without shutting down
$39.95 retail
Utilitron, Inc.; 6079 Madera Dr.; Woodland Hills, CA 91367; 818-883-4646 or 800-428-8766

PR Battery
Battery upgrade for Macintosh Portable
$149 retail
Shadow Technologies; 1767 Morning Glory Rd.; Livermore, CA 94550; 510-548-0130 or 510-373-7092 (fax)

ProLine Components
SCSI cases, brackets and bezels
Call for pricing
Casa Blanca Works, Inc.; 148 Bon Air Center; Greenbrae, CA 94904; 415-461-2227 or 415-461-2249 (fax)

Ramstar Disk Valets
Stores, transports and organizes disks
$10 retail; #729 Note Pak
$15 retail; #1070 Dual Pak
$12 retail; #579 12 Pak
$8 retail; #679 6 Pak
$5 retail; #379 3 Pak
$3 retail; #209 Promo Sofpak
$8 retail; #246 CD Valet
$7 retail; #747 Passport Valet
$4 retail; #242 CD Promo Valet
$6 retail; #1079 10 Sofpak
$8 retail; #2289 8 Sofpak
Ramstar Mills, Inc.; PO Box 759; Sardis, GA 30456; 912-569-9000, 800-327-2303 or 912-569-4300 (fax)

RapidCharger
Quick charger for PowerBook Duos
$149.95 retail
Battery Technology, Inc.; 5700 Bandini Blvd.; Commerce, CA 90040; 213-728-7874, 800-982-8284 or 213-728-7996 (fax)

Raymark Enterprises Laser Label Sheets
3.5-inch disk laser label sheets
$27.95 retail
Raymark Enterprises; PO Box 70443; Oakland, CA 94612; 510-839-1784, 800-227-7532 or 510-814-9807 (fax)

Ring King Visibles
Diskette storage systems
$3.95 retail; Diskplay 3.5, 10 capacity
$4.95 retail; Diskplay 3.5, 20 capacity
$3.95 retail; 3.5-inch diskette carrier case
$11.95 retail; locking tray for 40 diskettes
$21.95 retail; locking tray for 50 diskettes
$1.10 retail; six capacity looseleafs for 8.5- by 11-inch binders
Ring King Visibles, Inc.; 2210 Second Ave.; Muscatine, IA 52761; 800-272-2366 or 800-272-2382 (fax)

RoadTrip
Makes travel for notebook and PowerBook users easier
$69.99 retail
CMG Computer Products; PO Box 160310; Austin, TX 78716; 512-329-8220, 800-880-9980 or 512-329-5532 (fax)

Rolling Colors
Replacement trackballs
Macintosh PowerBook 140 thru 180c (not compatible with Duos).
$14.95 retail
CoStar Corp.; 100 Field Point Rd.; Greenwich, CT 06830; 203-661-9700, 800-426-7827 or 203-661-1540 (fax)

SentryMac SE And SentryMac II
Compact, lockable workstation furniture for all Macs and ImageWriter
$299 retail; Oak Cabinet
$199 retail; Gray Laminate Cabinet
$129 retail; Mac-in-the-Box Lift
Sotek (Southern Technical Associates, Inc.); PO Box 472; Collierville, TN 38027; 901-853-0317 or 901-853-0023

Shok-Stop
Computer cases
Call for pricing
Thermodyne International Ltd.; 20850 S. Alameda St.; Long Beach, CA 90810; 310-603-1976 or 310-603-1929 (fax)

Silicon Sports Wrist/Mouse Pads
Wrist, mouse and keyboard pads
$19.95 retail; Wrist Pad
$19.95 retail; Mouse Wrist Pad
$9.95/pair retail; PowerBook Pads
$24.95 retail; Notebook Pad
$19.95 retail; Desk Extension
$19.95 retail; Hyper Pad
$7.95 retail; Keyboard Drawer Pad
$19.95 each retail; Puzzle Wrist or Mouse Pad
Silicon Sports; 324 High St.; Palo Alto, CA 94301; 415-327-7900, 800-243-2972 or 415-327-7962 (fax)

SlimPack
External battery pack
$169.95 retail; MC-180S
$299.95 retail; MC-200S
Battery Technology, Inc.; 5700 Bandini Blvd.; Commerce, CA 90040; 213-728-7874, 800-982-8284 or 213-728-7996 (fax)

Static Control Products
Complete line of computer cleaning products with static control agents
Call for pricing
Tech-Sa-Port; PO Box 5295; Pittsburgh, PA 15206; 800-543-2233

SunPack and SunPack Jr.
Solar power station
Newton MessagePad.
$199 retail; SunPack
$159 retail; SunPack Jr.
Keep It Simple Software and Solar; 32 S. Ewing, Ste. 211; Helena, MT 59601; 406-442-3434, 800-327-6882 or 406-449-8946 (fax)

SunPack PB
Solar power station
Macintosh PowerBook.
$229 retail
Keep It Simple Software and Solar; 32 S. Ewing, Ste. 211; Helena, MT 59601; 406-442-3434, 800-327-6882 or 406-449-8946 (fax)

■ **SunPack Super Charger**
PowerBook solar power
Macintosh PowerBook.
SunPack Super Charger is two SunPack/PB units and an external box designed for users who need to be able to run their PowerBook all day long on solar power and can't practice battery conservation. The box has plugs to connect the two SunPacks into one cord, doubling the amount of amperage produced by the SunPack units. In combining four solar panels, it provides users with great flexibility and the power to run a Color PowerBook for an extended period of time. Because the SunPack Super Power Unit is actually just two SunPack units and an external box, users have the freedom of carrying just one of the SunPack/PBs when they don't need all the power provided by both units.
$429 retail
Keep It Simple Software and Solar; 32 S. Ewing, Ste. 211; Helena, MT 59601; 406-442-3434, 800-327-6882 or 406-449-8946 (fax)

■ **SunPack/Duo**
Duo solar pack
Macintosh PowerBook Duo.
The SunPack/Duo is designed to run PowerBook Duo computers. It employs the same two solar panels as the SunPack/PB, but yields a 12-volt current. The SunPack/Duo provides a charge that nearly equals the power provided by the AC adapter. With good sunlight users can run their Duo all day without having to connect to AC power, or simply recharge their Duo's battery by leaving the panel in the sun and plugging it into the Duo. The SunPack/Duo provides enough juice to sustain the battery of any black and white or gray-scale Duo computer (models 210, 230, 250 and 280). The two solar panels fold up easily, allowing the SunPack to fit in a briefcase or computer carrying case. Users will need to use standard battery conservation techniques, such as allowing the hard disk to "spin down" or allowing the processor to "rest" for the SunPack/Duo to completely run the computer. An additional battery conservation utility, such as Connectix PowerBook Utilities, is recommended.
$249 retail
Keep It Simple Software and Solar; 32 S. Ewing, Ste. 211; Helena, MT 59601; 406-442-3434, 800-327-6882 or 406-449-8946 (fax)

SuperCharger
Charges NiCad batteries
$129.95 retail
$10.95 retail; auto power cable
Lind Electronic Design Inc.; 6414 Cambridge St.; Minneapolis, MN 55426; 800-659-5956 or 612-927-7740 (fax)

SuperCharger And Conditioner For Duo Batteries
Battery charger and conditioner
$139.95 retail
Lind Electronic Design Inc.; 6414 Cambridge St.; Minneapolis, MN 55426; 800-659-5956 or 612-927-7740 (fax)

Swapper
Enables users to change batteries without shutting down the PowerBook
$14.99 retail
Battery Technology, Inc.; 5700 Bandini Blvd.; Commerce, CA 90040; 213-728-7874, 800-982-8284 or 213-728-7996 (fax)

Techni Care Anti-Static Cleaners
CRT and monitor screen cleaner; housing cleaner
$7.50 ($75 for case of 12 cans) retail; CRT Screen Cleaner
$8 ($80 for case of 12 cans) retail; Housing Cleaner
Tech-Sa-Port; PO Box 5295; Pittsburgh, PA 15206; 800-543-2233

Technical Maintenance Products
For computer systems and electronic equipment
Call for pricing
Tech-Sa-Port; PO Box 5295; Pittsburgh, PA 15206; 800-543-2233

Tymindex Label Peeler
Address label dispensing machine
$195 retail; Model TLP-1
$595 retail; TLP-5EM-Automatic; Optical switch
Weber & Sons, Inc.; PO Box 104-PR; Adelphia, NJ 07710; 908-431-1128, 800-225-0044 or 908-431-9578 (fax)

Ultimate Carrying Cases
Carrying cases
$109.95 retail; Ultimate Classic/SE
$149.95 retail; Ultimate Classic/SE Extended
$169.95 retail; Ultimate Mac LC with 12-inch monitor and keyboard
$129.95 retail; Ultimate Mac Quadra 700/IIvx/IIsi/ Centris 650 with extended keyboard
$149.95 retail; Ultimate Mac Color Classic
$79.95 retail; Ultimate StyleWriter Carrying Case
$89.95 retail; Ultimate StyleWriter II Carrying Case
$114.95 retail; Ultimate Macintosh Notebook EX
$99.95 retail; Ultimate Macintosh Notebook SL
$129.95 retail; Ultimate Macintosh Notebook XL
$19.95 retail; PowerBook Keyboard Protector Skin
I/O Design, Inc.; PO Box 156; Exton, PA 19341; 215-524-7277, 800-241-2122 (sales) or 215-524-7946 (fax)

Vertical/Horizontal Rail System
Space-saving ergonomic computer workstation
$500 and up retail
Ergotron, Inc.; 3450 Yankee Dr., Ste. 100; Eagan, MN 55121; 612-452-8135, 800-888-8458 or 612-452-8346 (fax)

Vitec HealthGuard
Anti-radiation glare filters
$69 to $139 retail
Vitec Industries Inc.; 12 Tozer Rd.; Beverly, MA 01915; 508-927-2400 or 508-921-5814 (fax)

Vitec WristGuard Pro
Ergonomic keyboard wrist rest
$35 retail; WristGuard Pro (with rigid black keyboard tray)
Vitec Industries Inc.; 12 Tozer Rd.; Beverly, MA 01915; 508-927-2400 or 508-921-5814 (fax)

Viziflex Seels, Inc.
Transparent keyboard covers/skins
$25.95 retail
Viziflex Seels, Inc.; 16 E. Lafayette St.; Hackensack, NJ 07601; 201-487-8080 or 201-487-6637 (fax)

VST ThinPack
High-density, maintenance-free external power supply
Macintosh PowerBook (models 100 through 180c).
The VST ThinPack is a high-density, maintenance-free external power supply for PowerBook models 100 through 180c. This rechargeable battery is approximately .25-inches thick and weighs just 1.5 pounds, yet it delivers five to nine continuous working hours on all black and white and gray-scale PowerBooks and three to four hours on color models. The ThinPack connects directly to the PowerBook's external power port and works concurrently with the standard internal battery. Furthermore, it charges using the standard PowerBook AC adapter, so no additional peripherals are needed. The ThinPack has no "memory effect" and can be fully charged in just four to six hours. This easy-to-use, convenient-to-carry battery has excellent durability: under normal use, it should last from three to five years. It is also designed for safety: short-circuit protection is built in and this power supply is UL listed. ThinPack Utilities battery management software is included.
$199.95 retail
VST Power Systems, Inc.; 1620 Sudbury Rd., Ste. 3; Concord, MA 01742; 508-287-4600 or 508-287-4068 (fax)
FAX©NDEMAND 1-800-872-3293 **177**

Wall Mount Workstation
Space-saving ergonomic computer workstation
$703 and up retail
Ergotron, Inc.; 3450 Yankee Dr., Ste. 100; Eagan, MN 55121; 612-452-8135, 800-888-8458 or 612-452-8346 (fax)

WraP Duo Jacket
Carrying case
$79 retail
WraP Design; 2017 Mauna Pl.; Honolulu, HI 96822; 408-752-7101, 800-883-9727 or 408-253-5794 (fax)

WraP Notecover
Carrying case and cover for PowerBooks
$79 retail
WraP Design; 2017 Mauna Pl.; Honolulu, HI 96822; 408-752-7101, 800-883-9727 or 408-253-5794 (fax)

■ **Wrist Comfort I Wrist Pack**
Wrist rest
Users can prevent Carpal Tunnel Syndrome with the ergonomic Wrist Comfort I in front of the keyboard. Wrist rests help to hold wrists at a natural angle and take the pressure off nerve strands in wrists and shoulders. Wrist Comfort I Rests can be imprinted with a company name and logo for appreciation/ incentive gifts.
$1.96 to $8.50 each retail
Peak Products, Inc.; 1306 E. 55th St.; Cleveland, OH 44103; 800-782-8628 or 216-361-0030 (fax)

The Wrist Pillow
Wrist cushion
$29.95 retail; quantity discounts available
Write Job Inc.; 538 Sunnyoaks Ave.; Campbell, CA 95008; 800-383-9588

Wrist Rescue 2, 3
Wrist support
$10.95 to $18.95 retail
Precision Line, Inc.; 14505 21st Ave. N, Ste. 206; Plymouth, MN 55447; 612-475-3550, 800-328-0077 or 612-475-3577 (fax)

Wrist Rest/Mouse Pad Combo
Ergonomic wrist support for mouse users
$5.69 each; with logo, 144 pieces (quantity discounts available)
$12 to $17.50 retail
Computer Expressions, Inc.; 4200 Mitchell St.; Philadelphia, PA 19128; 215-487-7700 or 215-487-7728 (fax)

Wrist Rests From Computer Expressions
Provides ergonomic wrist support
$4.19 each; with logo, 144 pieces (quantity discounts available)
$12.50 to $15 retail; for stock designs (Oz, Hershey's, etc.)
Computer Expressions, Inc.; 4200 Mitchell St.; Philadelphia, PA 19128; 215-487-7700 or 215-487-7728 (fax)

WristRelief
Wrist support
$9.99 retail
CMG Computer Products; PO Box 160310; Austin, TX 78716; 512-329-8220, 800-880-9980 or 512-329-5532 (fax)

These Products Available Through Bottom Line Distribution
1-800-347-1923

X-Pack
Extended rechargeable battery and case
$119.95 retail
Battery Technology, Inc.; 5700 Bandini Blvd.; Commerce, CA 90040; 213-728-7874, 800-982-8284 or 213-728-7996 (fax)

Zero Halliburton Cases
Aluminum cases
$299.95 and up retail
TCC; 13101 Washington Blvd., Ste. 110; Los Angeles, CA 90066; 310-474-7152 or 310-475-5964 (fax)

It's not a private family matter. Every nine seconds another woman is beaten by her husband or boyfriend. And unless we all work together, it's never going to stop. For information about how you can help stop domestic violence, call 1-800-777-1960.

THERE'S NO EXCUSE
for Domestic Violence.

Ad Council

Family Violence Prevention Fund

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If you're really concerned about your health, give your safety belt a workout. It's the best exercise we know – to keep you and your medical costs – from going through the roof.

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Other lists probably contain some of the same names—along with a lot of other, low-likelihood-of-response names. Such as those who merely use Macs, or perhaps just like to read about them. Only the Registry list puts you in touch with everyone who eats, sleeps and breathes Macintosh. And no one else.

So if you want to tell them something or sell them something or invite them somewhere, or if there's something you'd like them to tell you, this is the list that will keep the post office busy delivering all of your responses.

The Registry list is available in ZIP Code order on pressure-sensitive labels. If you want to raise a lot of red flags without a lot of wasted postage, call us toll-free at **1-800-333-8760.**

REDGATE

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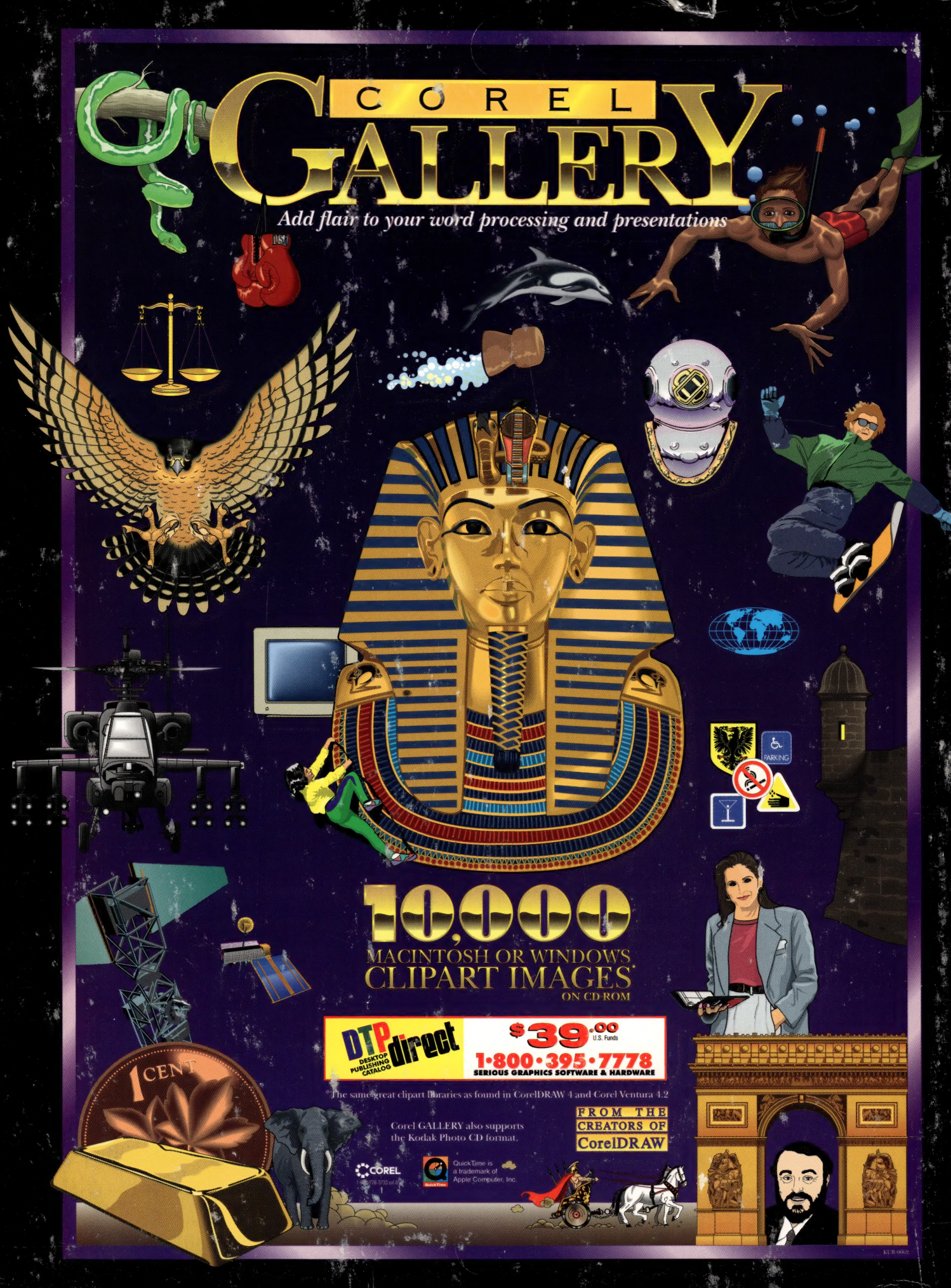
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